

From The STAFF

W.T.F.D.A. Headquarters, P.O. Box 514, Buffalo, NY 14205

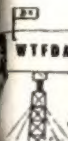
E-SKIP OFF TO FLYING START?...Every year is different, but word has it that the 1985 E-skip DX season has started in a big way. It's only late May as this is being written, but we've had word about numerous and interesting sporadic E openings that have been taking place since mid-month. We hope that you're checking channels 2 thru 6 and the FM broadcast band from 88 to 108 MHz every day now, because we're now into the best part of the season for short skip. Good DXing...and don't forget to report what you're seeing to your DX column editors!

SPECIAL OFFER TO DXERS...WTFDAer Pete Nolan is publisher of a newsletter that's of great interest to anyone with more than just a passing interest in the radio business, and one that many DXers will want. It's the M STREET JOURNAL, a newsletter that's jam-packed with the most current data on FCC (as well as Canada's CRTC) decisions, including call letter and station ownership changes. It costs \$45 per year for those in the broadcasting profession, but, it is now available to DX club members for only \$25 for a year's subscription. Needless to say, this is quite a deal! If you want to see for yourself, free samples are available. Write to: M STREET JOURNAL, P.O. Box 540381, Houston TX 77254. If you want to qualify for the DXer discount, be sure to mention that you are a DX club member.

VOLUNTEERS ALWAYS NEEDED...We've had mixed response for our request for articles such as equipment reviews, but we're happy to say that we've had one or two new column ideas, and you'll hopefully be seeing these in the VHF-UHF DIGEST soon. Also, we'll be needing a new Editor-in-Chief for the VUD within a year, as Dave Nieman expects to be stepping down from this post in early '86 (the popular PHOTO-NEWS feature will continue to be handled by Dave), and this will require a member who is willing to devote a considerable amount of time, as well as layout and editing skills.

AUGUST IS COMING--SO C'MON DOWN TO NEW ORLEANS...Now's the time to make your plans--head for NEW ORLEANS for the 1985 WTFDA CONVENTION on August 2nd, 3rd, and 4th. This is going to be a great one, with a tour of a shortwave broadcasting station (WRNO), as an extra added attraction. During the last club convention in New Orleans (in 1972), "normal" Gulf of Mexico nighttime tropo conditions of 400 to 600 miles wowed some visiting DXers (and bored the locals!). We're hoping for a repeat performance! As this is being prepared, we're awaiting some last-minute schedule information from Ron LeBlanc, so we'll wait until the July issue to run the convention registration form insert. If you can't wait, an SASE to WTFDA Headquarters will get you further info and a copy of the form after June 15th. See page 20 for more details.

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June, 1985

MAILBOX

Alan Hyams
P.O. Box 130
Bronx, NY 10464

Jeff Kadet puts in his 2c concerning the logging procedures debate and more:

"To me, DXing is a sport. When trying to explain DXing to someone, I say that it is a lot like birdwatching but with radio or TV signals. Perhaps DXing would be more pleasant without having totals, but there is obviously a part of human nature which desires totals and statistics. Just look at baseball, the weekly Neilson ratings, or the Fortune 500 list.

Anyway, the birdwatching analogy brings up the topic of counting call letter changes. If a Yellow Bellied Sapsucker has its' name officially changed to the Do Do Bird by the Federal Bird Commission, are you looking at the same bird or not? I think that you are looking at the same bird. It is likewise the case with call letter changes.

Now, there is a solution. I think BCB/FM/TV DXers should count their totals the same way that HAMS do when they count total countries contacted. That is, that there is one set of numbers for current existing countries, and another set of numbers which also includes countries which no longer exist. For instance, if I was an FM DXer who has been DXing for twenty years and has heard 1,000 stations, but 75 of those were call changes, I'd list my totals as 925/1,000. This way old-timers are happy, yet you can still compare totals for stations which are within the realm of current possibility.

This method is not perfect (like how do you count the channel 14s which have appeared over the years from Washington, D.C. and Arlington, VA?) but it's still better than nothing.

I have two gripes unrelated to the above. Many DXers, myself included, use color TV sets to DX on. My guess is that this will increase in the future. Yet the VUD is unable to reproduce color prints in the "Photo-News" column. I would like to submit some of my better TV DX photos to "Photo-News", but at \$1.50 a pop, which is the cheapest a b&w print can be made from a color negative in Macomb, I can't afford it.

My second gripe is having the knowledge that an article is currently on hand at WTFDA headquarters on new state-of-the-art equipment, yet it is being held back for future publication. Last year it happened with the Winegard PA-4975 pre-amp and this year it's happening with the Teknika tuner.

Last year, after waiting patiently for the PA 4975 article, the new DX season was upon us and I purchased that monstrosity known as the EU-4S. This year, the defective tuner in my Zenith TV set has not been replaced because I have been waiting (3 months now) for the promised review of the Teknika tuner. The purpose of a DX club is to disseminate information to help in DXing. Let's do it!"

Christopher Hanley wants to let everyone know that his mailing address has been changed. Instead of P.O. Box 15349, Winston-Salem, NC 27113, his mailing address is now Box 5, 127 S. Stratford Rd., Winston-Salem, NC 27104.

Bill Draeb sends in his logging procedure commentary:

"I have a few comments on counting stations. First of all, let me say that I don't care how each DXer counts his stations, but, when I see totals in the VUD (whether in a statistics column or in a report) I would like to believe that the totals were arrived at in the same way. I see no point in publishing totals, especially in a statistics column, if everyone submitting totals follows their own rules when counting

MAILBOX continues next page...

FM NEWS

(308) 237-7953

The rules for counting stations were't meant to be used to be a burden or to inhibit DXing. Rules are made so there is some semblance of order. Now some DXers would like certain parts of the present rules for counting stations changed. I can understand that and maybe the present rules should be revised in one way or another.

To the newcomers to the WTFDA who would like to know what the present rules for counting stations are, I suggest you write to headquarters, or maybe someone would be kind enough to submit them for publication in next month's VUD. That way everyone will know what we're talking about. They haven't been published in the VUD for several years."

"I joined WTFDA in September '84 and I wish to compliment you and the various column editors on every VHF-UHF Digest I have since received. I became interested in TV DX in the late 1960's through my father, who was then an active ham (W2HJE). In fact, I acquired my first antenna in much the same way as Rich Wertman reports (in 1/85 VUD, "Eastern TV DX) his retrieval of a discarded Finco UHF dish. Late one summer night, I lugged into our attic a deep fringe vee'd log periodic that a neighbor of my parents had disposed of. With only inexpensive ribbon twinlead, that unamplified antenna, teetering from the rafters, brought me remarkable DX (much to my dad's amazement, too!). Seventeen years later, with my own house, a family, and factory-fresh reception equipment, I decided to get back into the fold.

My current installation consists of a Winegard CH-5200 VHF antenna on a Cornell-Dubilier rotor, driven by a Channel Master 0065 amplifier and a Winegard DA-203 distribution amp. For FM radio, I'm using a Winegard CH-6060 antenna with an AC-2950 preamplifier. I am, however, planning a major improvement of this system come this summer. The small Winegard FM antenna will be replaced by its big brother, the CH-6065, with a Channel Master tunable notch trap, model 0503, added to the transmission line. For UHF viewing, I have ordered Winegard's latest entry, a Chromstar II antenna, model CS-9095. This will be powered by Channel Master Super Titan preamplifier 7477.

As you can see, I'm partial to Winegard antennas and CM signal processing equipment. Now that "hometown" Channel Master has left Ellenville (a short drive from my Poughkeepsie home), it appears CM products, especially their excellent MATV line, may be harder to come by. A recent check of Poughkeepsie's loyal CM distributor found his shelves suddenly devoid of a once healthy stock. On the other hand, I have discovered an outlet for Winegard apparatus that I am sure fellow WTFDA members would care to know about. R.F. Electronics (1056 North State College Blvd., Anaheim, CA 92806; 714-635-5090, 800-854-4655) is a stocking distributor for Winegard and sells their equipment to anyone at DEALER cost. This is below list and "minimum resale", which is what most retailers charge. I confirmed this when I ordered my CS-9095. So, if you like Winegard products, and do not mind waiting for a UPS shipment to arrive, this looks to be a good deal. What's more, for out-of-the-ordinary components, R.F. electronics is a promising source. All too often, I have been frustrated by retailers who refuse to stock and/or sell select pieces of equipment because, in their opinion, "They don't work in this area." The R.F. spokeswoman I contacted was very pleasant and definitely accomodating: because I live in New York, she said they would ship my antenna directly from Winegard, saving me a few day's transit time. For \$2.00 (1984 charge), R.F. will send you a Winegard catalogue and a price sheet that compares manufacturer's list, minimum resale and dealer's cost."

Till next time. 73s,

AL

AK Dillingham K261B *100.1 (WMBI-FM 90.1 Chicago/Moody Network off satellite)
AZ Cottonwood K265BU Phoenix (Z)
AZ Longman K216AR *91.1 (KNLB 91.1 Lake Havasu City AZ; not a booster, but a translator on-channel of the main station; how it will get primary signal I am not sure) [Flagstaff]
AZ Williams K265CE 100.9 (KSOJ 93.9 CA Greenfield 99.5 50000 h.v.; -230°)
CO Meeker K257CM 99.3 (KQIX 93.1 Grand Junction CO translator)
DE Ocean View 101.7 30000 h.v.; 300°
GA Savannah *89.5 100000 h.v.; 600°, g. Bible Broadcasting Network
HI Kealekuea KOAS-1 92.1 10 watt on-channel booster of KOAS, in city of license of main station—only known case of this to date in the U. S.?

ID Lava Hot Springs K221CE 92.1 (KPKY
ME Brewer 106.5 100000 h.v.; 920⁰⁰ h.v. g.
ME Camden WABH 102.5 9500 h.v.; 1110⁰⁰
NM Kerkhoven K244BV 96.7—primary
station unknown (88.9 Las Vegas)
NV Boulder City K204AQ *88.7 (KNPR/
NV Logandale K285BV 104.9 (KILA95.5
Henderson) [Connaut/OH
OH Niles W292CB 106.3 (WGQJ 105.5 /
OR Burns 92.7 300 h.v.; 880⁰⁰
OR Pendleton *89.9 400 h.v.; 1120⁰⁰, g.
Educational Broadcasting Foundation
PA Johnstown *88.9 S, g, 900 h.v.; 1000⁰⁰,
Family Stations, Inc. Hey, nobody's
written me with suggestions for local
stations to go 24-hours per day by
means of sharing time with a Family
Station—stations not now utilizing a
fulltime schedule, especially those in
the 88-92 mHz range. Don't you want
more 24-hours' (NSP) stations in your
backyard?

SD Sioux Falls KCFS *90.1 140 h; 190'. Sioux Falls College, see "Call Letters" for information on their other station there (KCFS had a c.p. for 90.7, but never moved there, having been on 90.1 all the time); KCFS will remain the student radio station, while the new one on *90.9 will be the South Dakota Public Radio affiliate.

SD Sisseton KREH 99.3 1200 h.v; 495'
TX Canyon (Amarillo rim-shorter?) 107.9
100000 h.v; 290'
TX Cuero 97.7 3000 h.v; 300'
WV Romney 100.1 100 h.v; 1375',
transmitter on Watertower Road!
WY Rawlins K216AS *91.1 (KUWR 91.9
Laramie WY)

AL Decatur WRSA 96.9 1030⁺ (100000)hv
AK Ketchikan KRBD *105.9 15000 h.v.
minus 105 feet (100000)hv
AZ Chandler KMLE 107.9 1000⁺/
Las Vegas City KNDD 105.1 21000
h.v. 1400⁺
AZ Miami QGSS 98.3 -300⁺ (3000 h.v.)
CA Corning 100.7 (new) 50000 hv; 2250⁺
CA Garberville KERG 104.7 (from 100.1)
51000 hv; 2520⁺ [2620⁺, direct, anten.
CA Santa Cruz KSCO-FM 99.1 1100 hv hv
CO Estes Park K20SBE *88.9 (from
K215AM 90.9) (from K205AZ 88.9)
CO Glenwood Springs K218AN *91.5/
CO Pueblo KCCY 96.9 (from 7.9) 1235⁺
10000 hv

CO Rifle KDBL 105.3 48000 h.v; 2445'
FL Fort Lauderdale WSHS 103.5 100000
h.v; 1005'; directional antenna
FL Miramar *96.5 (new); from Miami
KS Fort Scott KFTS 101.7 330' (3000 h.v)
LA Leesville KJAE 92.7 330' (3000 h.v)
ME Boothbay Harbor WCME 96.7 330'
(3000 h.v)
MI Atlanta 92.5 (new) 860' (100000 h.v)
MI Charlotte WMMQ 92.7 1500 h.v; 140';
severely reducing primary coverage to 8
miles; no longer can hope to be a Lansing
rim-shooter [97.7]
MN Aurora W269AP 101.7 (from W249AB)
MN Chisholm W269AQ 101.7 (from W249-
AC 97.7)
MN Collegeville KSJU *96.5 (having moved
from 89.1; 80 watts horizontal only
(480'); reduce type size in *FM Atlas* to
reflect its use of a 10-watt transmitter.
Has live r, "a little trouble to KTIS-FM's
96.7 translator in Sartell when listening
in St. Cloud."

MN Eveleth WEVE-FM 97.9 (from 100.1)
7100 h w; 530'; this change is what is
forcing Aurora and Chisholm translators
to change frequencies
MN Rochester KLSX *90.7 3750 h.v; 465'
MN St Paul KEEY 102.1 106.5 (100000h.v)
MO Springfield KSMU *91.1 40000h.v; 320'
MT Bozeman KHTS 95.1 220' (100000 h.v)
NM Los Alamos KRSN FM 98.5 94000 h.v;
1780'; he made this application after
ordering the current *FM Atlas* to find out
the current status of Docket 80-90.
NY Henrietta WRHR *90.5 120 h.v; 57'
NY Southold WBAB 101.7 2900 h.v (335')
NC Wilkesboro WSIF *94.7 -150' (14 w.h.v.)
OH Columbus



WSNY 94.7 22000 h.v (790')
OH Toledo WAMP *88.3 1000 h.v; 200'
OR Coos Bay K206AL *89.1 (from K213-
AD *90.5) [(1420')
PA Holidaysburg WHPA 104.9 140 h.v /
SC Marion WKXS 94.3 1200 h.v; 500'
TX Adlington KJLM 94.9 1510' (100000h.v)
TX Austin KOKE-FM 95.5 100000 h.v,
87500 v; directional antenna; 1000'; in-
creases power in conjunction with KNFO
95.5 Waco, which also goes directional
TX Denison-Sherman KDSQ 101.7 275'
(3000 h.v)
TX Hamlin KRRS 103.7 995' (98000 h.v)
TX Paris KBUS 103.9 1100 h.v; 525'
TX Portland KITE 105.5 355' (1900 h.v)
TX Rockport KPCB 102.3 330' (3000 h.v)
UT Brigham City KFRZ-FM 106.9 (from
107.1) 67500 h.v; 2370'
VT Manchester WEQX 102.7 1300 h.v
(2490'); Ernie Cooper not sure if it is
stereo or not. (h.v)
MN Breezy Point KLLK 95.3 330' (3000 /

WI Kaukauna WKAU-FM 104.9 1350 h,v/
WI Ladysmith WLDY-FM 92.7 1350 h,v;
375'. PR Quebradillas WREI 98.3 to
1100' (3000 h,v); for special PRClass A
facilities of 25 miles primary; 61 miles
secondary

AR Little Rock KKYK 103.7 +92 kHz
paging; also said to be 7 other AR class
C stations using 92 kHz paging
CA Los Angeles KKKH 93.1 +F, 57 kHz,
but receivable somewhat on 67 kHz units
CA Pasadena KPCC *89.3 +T (same as main
channel, but believed to have talking
book for the blind at other times)
CA San Diego KFSD 94.1 "Definite no
SCA—excellent reception"
IL Skokie WCLR 101.9 no G, only +X—
and this affects all other Bonneville-
licensed stations, too!
KY Louisville WUOL *90.5 no SCA; no P
network (see "Comments" by Ted
Fleischaker)
NC Durham WDCG 105.1 adds +Q (Physi-
cians' Radio Network) at 92 kHz;
PRN's first known use of 92 kHz SCA
and the first recent expansion into an-
other market for PRN (WDCG retains
its music 67 kHz)
TN Nashville WNAZ *89.1 digital tourist
information (+X)
WSM-FM 95.5 audible tourist info
(coded +S for special events)

- †U Tones, telemetry chirps or warbles
- †V WWV National Bureau of Standards Time (cf Rolla MO *88.5)
- †X Medium speed data (such as Market Information, Inc., Omaha Ne)
- †Y Slower speed data (such as Commodity News Service, Kansas City)
- †Z Frequency shift data (such as Data-speed, Burlingame CA)

Further additions and refinements to this list may be made.

Multi-City IDs in Use

[illegible]

7

Ernie Cooper, who does Forward-March! on WOMR #91.9 Provincetown MA, bought a new Kenwood KRC-2000 for his car. He is pleased with it, holding WOMR into Hyannis at 45 miles, whereas with his old receiver he only got it about 15 miles up U. S. 6. "The personnel listed in WOMR in the 1985 Broadcasting Yearbook is 100% incorrect. . . May I make a suggestion or two for the next FM Atlas, please, Bruce? . . . When one tunes to an open channel and hears a station which you know to be DX, and you hear a certain type of music, it would be of immense help if the type of programming would be shown in the list BY FREQUENCY. I'd suggest eliminating the stereo column in the 'by frequency' section and instead, list the type of programming there, like c, or k, or r, or whatever. Then we might get some idea of what to listen for at ID time! . . . that would eliminate an awful lot of furious page-flipping! . . . or drop the network listing under 'by frequency' and put the type of programming codes in there—the last column. . . The network is important only when the news is on, while the program type is in effect the other 55 minutes of the hour! . . . Please consider it. It [program format information] isn't needed in the by-state section." Ernie sent several nice FM station logos, including the WSNY one used this month. [Your thoughts are provocative, Ernie, and I am sure others will have some opinions on this subject. I have opposed adding format information to the by-frequency list, as you may recall from my 1984 convention talk, because of the double amount of work to update formats in two different sections. Now my attention is directed to improving type styles and possibly eliminating data so that larger type can be used with resulting improved readability. It is, however, remotely possible with the newer technology I am going to that your suggestion can be implemented. —b.e.] More on that subject from Atlanta's Nick Lombardi: I am surprised you would even consider deleting network information from the next edition of your Atlas. I personally find that information quite useful, and feel sure others do too. The data belongs in the by-geography section (I've never understood why you also have it in the by-frequency section; that makes no sense at all). . . I feel the same way about coverages (primary and secondary) too. If you are going to strip away data from your Atlas and reduce it to nothing more than a station list, we all might as well just buy White's Radio Log. Nick seemed concerned that a traveler might miss which stations had National Public Radio. His point is a good one, and even if I liked network data out I might still somehow show which stations are CPB-qualified. But so many stations use the networks sparingly, like one or two newscasts a day therefrom and otherwise only carry the commercials or network actualities in their local newscasts. And some networks, like ABC-Rock, send only a 2-minute newscast only every second hour. Nick kindly sent copies from The Sensible Sound of pages of a review of the Onkyo T-9090, a \$600 FM tuner. The review was written by Richard T. Modafferi, designer of the legendary McIntosh MR-78. He is quite picky and demanding, so it is interesting that he considers the T-9090 "perhaps the best FM tuner currently available." The stock model had an adjacent channel selectivity of 35 db, but with an improvement from MR-78 technology, it could be improved to 55 db. The Onkyo Co. is considering his suggestion and may improve the product—although R. T. M. considers it already about the best there is. He says "only the Denon TU-850 and the McIntosh MR-78 and possibly the Kenwood KT-81.5, have adjacent channel selectivity better than the T-9090," and all those models are discontinued. Nick also sent an item on WPCW 94.9 Atlanta mentioning how the signal is being improved from "Talladega to Toccoa and from Columbus to Chattanooga," but not using the word "translators," and not mentioning the translator frequencies.

Another person with ideas about networks is Richard E. Berg-Anderson, who wants them included in at least one section of the "Atlas." He says: "Now that Vane Jones Log has dropped networks on AM and FM, your book is the ONLY inexpensive source of such data for FM. . . If you're running out of letters of the alphabet—keep only the major networks." Richard said he called WKRB Brooklyn NY. "The guy (who wouldn't give me his name) told me that, while he was aware that they were listed in the FM Atlas as being on 103.1, they 'aren't going to make that move.' Ever?" I asked. "I don't know," he replied. "But for the near future, say, the next few months, you are staying on 90.9, right?" I queried. "That's right" was the reply."

A faculty member at Gustavus Adolphus College, St. Peter MN, writes about KGAC #90.5 there. "The station has been embroiled in technical controversy during its first few weeks in operation because of TV interference in the neighborhood of the tower. . . I have not been directly involved in KGAC as it is a Minnesota Public Radio station, and not a college station. Quite frankly, I find it much more fun to be involved with the students in their funky little station, as that is where the education in doing radio really goes on or them." He said a hearing was to have gone on before the County commission in May on a petition

to shut the station down. No word yet on the outcome of that meeting.



Duluth MN, 95.7

From the public broadcasting paper "Current," it is noted that the FCC frowned on making one of the new commercial FM station assignments, 99.5 A, a non-commercial station. KHCC in Hutchinson saw that channel as an opportunity for expansion, but the FCC reiterated its principle that commercial FM channels not be reserved for educational use unless the non-commercial channels, 88–92 MHz, couldn't be used.

And Denver stations KUVO #89.3 and KCFR #90.1 are planning to co-locate their transmitters with KRMA (TV), channel 6. A diplexer will be used; and is from Kathrein, a German firm that has constructed equipment for the CBC, with antenna from Shively Labs in Maine. "It's unusual to order the diplexer and antenna from different sources, but only one American manufacturer was willing to bid on KUVO's job."

Tim McVey comments on Memphis' WZZR: "Now we're 'Z-103,' and it sucks! Format is 'hit rock,' not unlike WWKX and WOKI. I worry about how local bands in Memphis will get airplay now that WZZR is no more. As you may not know, Memphis produces a LOT of good rock music, such as Creed, Kieth Sykes, Xavian, etc., and the 88-92 stations are poor (of course, Nashville produces a lot of c&w music that never gets exposure on the Nashville radio dial). WOVE 105.5 Rossville GA having problems keeping their AOR format also...heard their GM on the air begging WOVE listeners to fill in their Arbitron diaries so advertisers will pay enough to keep the station going. WQKZ Bolivar had listeners call in to see if the station should go to an all-gospel format (g). . . 242 said yes; 2 said no." [Let us know if WQKZ embraces The Lord, Tim.]

Georgia's Kermit Reid claims WPIQ has been approved for 1500' tower, but I have seen nothing from the FCC; this could be local zoning approval. He says WWGC #90.7 Carrollton has upped its signal strength, now giving him "3-4 LED lights," whereas before not any. [WPIQ Brunswick GA]

Larry Fuss explains that "on the Barnstable MA case, the FCC will permit new radio and UHF (not VHF) combinations in the same market, on a case basis. In this particular instance, the FM owner faces a competing applicant, and would therefore, in a comparative hearing, be given a demerit for his other broadcast interests, even though he may have been providing a great public service to the community. It's stupid! Our tax dollars at work!"

"Also, it is necessary to print comments of some correspondents regarding the formats of certain stations? Couldn't you just report the format and leave it at that? What one correspondent considers 'loud noise, rock,' 'strange sounding' or 'utterly stupid' (all comments from recent issues), may not fit the opinion of the same station by another correspondent. We don't all like the same kind of music. Most stations do what they have to do to make money (or at least try to). After all, radio is a business. If you don't like what you hear, turn the dial."

[I appreciate your comments, Larry, and it will be interesting to see if others have opinions on this subject. While I know there is a diversity of views on the subject of radio programming, I highly respect the opinions of my contributors, who are more than just casual listeners or passive consumers of the media to whom most broadcasters aim their emanations. I believe DXers are among the most serious listeners, and dare say the fact that they are in DX, or at least readers of this column, would qualify many of them to go into management, and probably do at least as well as most of the present radio management people—most of whom got that way because of being good salespersons, not because they know broadcasting. Like the new publication "Enjoying Radio" (Box 85024, Seattle WA 98145-1024) this column treats FM and its related technology, SCA, as individually participative rather than merely spectator/mass-consumptive pursuits. Broadcasting is different from other businesses, Larry. Despite the Fowler FCC, it does take place on channels utilizing the public "airwaves" (ether, spectrum) and broadcasters are only temporary occupants of those

"KDAL-FM should be on the air about July 1st," writes vice-president/general manager John R. Snee.

frequencies, subject to displacement. I am sure my contributors are not trying to knock any type of radio format, but instead question the validity of "surveys" which purportedly show the public favoring formats already in local profusion. Too, the presentation techniques of many broadcasters can be logically questioned, and I am not one to discard the opinion of a reporter merely because it may cause controversy and somebody may disagree. People who disagree are free to write in and tell how they feel. But a good point Larry brings out here is that intersection of reporters' views should not occur where "Formats [Networks]" and other more "official" information is found. I've done that mainly to spice up an otherwise dull part of the VUD, with more comment and attribution in these pages. And, if you want more in the line of opinion on station programming, subscribe to "Radiophiles," Box 540381, Houston TX 77254; dues \$20. Perhaps the club's Board of Directors should rule on this, but in the meantime I may be like the broadcasters, both public and commercial, which have been praised and criticized in these pages—namely, I will try to do what is of interest so that an audience can be created and nurtured.]

Perhaps you've noticed since somewhere on the previous page the typing has changed. That's because I have just taken delivery of an IBM Electronic Composer, the newer version of the old Composer I've had. I am still learning its operation, and hope that, ultimately, it will enable this column to be done with fewer errors—a big expense on my part to help make part of the VUD look nicer! I still have the other Composer, which is a mechanical monster, much like an overgrown Electric, while this model has a memory function. Like the other one, it is obsolete, and I bought it second-hand from a company in Columbus OH.

David Nieman said WRHR #90.5 Henrietta NY now on with more power (see "Facilities"), still mono. He sent an article mentioning Buffalo and Fredonia NY as radiation "hot spots" from FM transmitting antennae. The EPA let out a list of 231 stations in 180 cities that could be exceeding safety standards to the human body. I have not seen the list, and it is said to already be out of date, with the data reportedly collected some 5 or more years ago. FM frequencies are said to be the most deadly for the human organism to absorb, because FM's wavelength is close to the average person's height.

Eric Fader took a trip to S. Florida and sent the list of stations having multi-city IDs. "My Sony 2002 was a big help with its presets—I could catch 3-5 legal IDs every hour by going back and forth. Interesting to note that in addition to WHQT 105.1 ('South Florida's dance-rock party') and 'Rhythm 98', the other top 40's—WINZ 94.9 and WHYI 100.7—both had disco accents a la 1979. Disco is still alive in south Florida! They just don't call it that."

[Eric had a good idea to set up different buttons to hear as many legal on-the-hour identifications as possible, enabling us to learn of many stations using multi-city IDs.]

On his trip to Honolulu, Peter Nolan noted KHHP 98.5 is not yet on the air, and he feels KRBE 104.1 Houston is about to change to another variation of r format in a few weeks. Detroit's Robert Grant mentions another station "rim-shooting" its own city of license—WMLV (AM) Detroit, 1500 kHz, formerly WJBK. It went 50 kw very directionally to lure a buyer for the property when it had better coverage with a less directional 10 kw array. Why did they make the change when it hurt their coverage? Because to an investor who knows little about 'directional patterns' and 'field strength' a 50,000 watt station sounds better than a 10,000 watt station. John Combs sent an article from a Savannah paper on WSVH #91.1 celebrating its fourth birthday. Pictured is Leonard Kantziper, station founder, now a member of the board of directors. Kantziper once mentioned to me that the FM Atlas was the inspiration for him to start WSVH. A local radio reading service is working to get started on WSVH. John Combs, by the way, refuses to use the "ZIP+4." "As an ex-postal worker, I know what a boondoggle it is." I tend to agree with John, but I have faith that the system will prove its efficacy, as postal workers get more familiar with it. It would be nice to use that, and not street addresses, making the process of addressing simpler, and making classified advertising easier to do, with shorter addresses to pay for.

"Regarding KVOD Denver's Leadville translator, I think I can shed some light on the K288AG calls," writes John Jefferson. When I picked up the old translator on 93.5 several years ago, I was amused to note that KVOD gave the calls as K288AG when they obviously meant K282AG. It seems that somebody's typo has outlived the translator it was intended for! In any event, that should make it clear that 105.5 never was involved. . . I am dubious about your note in the February VUD that the KEAR translators in Las Cruces and Naples CA might change to KEFR. Due to the terrain, I doubt that KEFR or any of its translators could feed them. KEAR has a continuous chain of translators to the area, with each link serving a useful purpose as well as forwarding the signal; KEFR, to reach the same area,



Leonard Kantziper

would probably need additional outlets in mountainous areas without significant populations. . . KALF 95.7 Red bluff now on its new frequency, with a site on Round Mountain, just west of Corning, at 6000'. KCTC 96.1 Sacramento made its change to 50000 at 475', with a large loss in strength here. . . KRZQ 96.5 Tahoe City is co-located on Slide Mountain in NV with KSRN KHTX 103.7 Carmel Bay and KOLR-TV. So KRZQ and KHTX count as NV loggings for those lucky enough to meet them. KRLL 93.9 is atop a casino in Stateline NV, so they also count as a NV logging. [Not in my way of county stations, John. I go by city of license, not transmitter location. It's too hard to keep track of transmitter locations and this simplifies things. I just read where WHCC 100.9 Edgerton KY is moving its transmitter to Ohio—Cincinnati or Hamilton; the FCC release did not make it clear which.] John mentions that K257CC Washoe City NV, a KLLT 100.1 Incline Village NV translator, will also be located on Slide Mountain, along with KRZQ and KHTX. . . KCGB 105.5 Hood River OR is on with a soft rock format. "It was the only usable station on the band, so [the lady who visited there] had little trouble finding it for us!" Not known if S or not.

Keith Pugh received the April VUD and "saw that you not aware of the Armstrong book being in print. I ordered the book in August after reading an article relating to FM." Copies are \$2 from:

The Armstrong Foundation
S. W. Muld Building, Room 1342A
Columbia University
New York NY 10027

The Moose Lake translator of KDNW is a sickie, says John Ebeling. I get them, very weak and full of fades, for about 4 to 5 miles on the freeway outside of Moose Lake MN. "As a matter of fact, I get KDNW from Duluth in the Moose Lake area much better than the translator. And the residents o Shoreview MN, where the tall TV and FM antennae for the Twin Cities' stations are, want to kick the tall towers out. Faced with demands from other area FM stations that want to put up more over 1,000-foot towers, they are urging that the Metropolitan Council study building a tower similar to the CN Tower in Toronto to carry all the signals. John, a longtime listener to Muzak via SCA noted that Muzak carried a vocal April 5 when it carried "We Are the World" at 9:50 a. m. CST. The only other time Muzak had voice was in 1981, when the release of American hostages from Iran was announced. "Muzak reaches about 80 million Americans daily through satellite transmissions to more than 200 ground stations," with the ground stations meaning FM/SCA most likely.

minneapolis public schools



- A 24 Hour Public Radio Service

KBEM's founding manager, William F. Lund, resigned after 15 years, building the station to its present 24-hours status, which is unusual for a school board station.

DXer-turned-broadcaster Al Germond of KARO Columbia MO wrote "Audio," setting them straight on the price of my Atlas, and pointing to them what an FM transmitting antenna looks like: "Why not take a look at the roof of the Chanin Building (it isn't far from your offices) and check out the original antennae for WQXR-FM and WHOM-FM (now WKTU) which were superceded in the mid-60s by their Empire State Building antenna. I recall the old WBAI antenna was still atop the Hotel Pierre the last time I visited New York." He writes us: "There was a time when I really waited for AUDIO to grace the mailbox; now it seems to be a poorly-edited yuppie high-end audio magazine that sneers at FM but we must doff our hats to them for the March articles on FM. . . But the classic goof of all time was the entire page (No. 49) dedicated to two photos or whatever of 'FM antennae'—so I sent along a page from the latest Harris catalog showing a genuine, bona fide FM antenna. As a broadcaster, it's always been a gripe to note how little appreciation/interest there is in how radio works. . . Back to NYC. . . In . . . four years I don't ever recall WPAT-FM off the air; it was then functioning from the Chrysler Building. During the days of weekly Conelrad tests where the carrier would be interrupted twice for 10-seconds each, I'd discovered that PAT-FM stopped feeding juice to the PA tube twice each Sunday morning about 9. Armed with this tidbit I would spin the antenna around and in three succeeding weeks, unofficially logged WHYN-FM Springfield MA, WFFM Baltimore and WDDS Syracuse. I recall WNYC-FM was down only once or twice, the three network O&Os were 24 hours except

for silent periods early Monday, allegedly for maintenance. And there were the stations that held on til 3 am and I'd interrupt slumbers to check things out if tropp looked hot. But I guess those days are gone in NYC. Maintenance is moot these days because virtually all the stations have auxiliary transmitters...WPAT-FM has five transmitters in the NYC area—two atop WTC, two more in the old Chrysler Bldg. plant and a fifth, an aged Westinghouse relic at the studio and AM site on Heppburn Road in Clifton NJ... I couldn't imagine what a new DXer in the NYC area would have toputup with these days. I hardly even bother during the now infrequent trips up there. Present-day DXers are operating in a combat zone with all stations (save a few) operating with maximum facilities and recently granted power boosts. When I first got serious about this 26 years ago, 20 kw was top power and that was at 500'. There was no vertical polarization. If you were WNBC-FM triplexing your FM signal into the WNBC-TV antenna at the top of the ESB, the FCC allowed you to saturate the metropolitan area with 1100 watts; now the Atlas shows WYNY at 7200 watts thought at 1300 feet instead of 1445.

"...It is not generally noted in FM histories that certain pre-war stations radiated tremendous powers. The Zenith station (WEFM) was running 50 kw into a three-bay antenna atop the Field Building in Chicago, probably 125 kw ERP... The Yankee Network, Paxton MA, was running 50 kw into a 50 kw antenna. It did not have a tower, pumping into a 12 bay antenna, probably 400 kw ERP. In the case of Zenith's station, the BBC complained after the war of persistent interference to the London video transmitter thousands of miles away (trans-Atlantic F2 skip?). Anyway, CBS, which was wary of FM to begin with, saw the FCC adopt its single market plan which scaled power down so FM could not serve multiple trading areas (Yankee's Paxton transmitter reached Boston, Providence, Hartford, Springfield, all at once... though in 1963, broadcasters were correctly pointing out that the FCC was not really taking into account the entire trade area, let alone principal city. Imagine how grim things were for the Class A operators with 1 kw at 250 feet).

"[With the construction of massive office buildings] only the ESB-five as we called them produced acceptable signals. Recall that FM multiplex stereo became legal June 15, 1961 and with mono multipath problems, the primitive pre-PLL demodulators for multiplex were a performance disaster. The ESB-five were the only stations that could be heard on FM antennae over the five TV-related installations. So the Aiford design came along. . . . One broadband antenna rings the ESB's 102nd floor observation (enclosed) area fed by 12 separate transmitters. . . . What always amused (and revolted) us is the adde-brained manner in which newspapers reported the ESB-five as the only stations that could be heard on FM. I was a writer totally unfamiliar with broadcasting trying to explain what happened. Now, no one expects the "Times" to discuss VSWR and overload mechanisms, that clearly is what was tripping the transmitters off the air. And in a wind after riggers have been working on the antennas, in no time at all the ESB-five are back on the air. A wire, or one can contact a single bay and trip the VSWR overload--though at the ESB, maybe they'll never know what really happened. . . . WRFM was on the ESB by '69, in time for Bonneville to pay \$8000y which was then anifm sales tax. I don't think there was any other station that was as close to the ESB operated at 60 kw from that abysmal site buried in an industrial area of Queens--recall passing it in the train in the early '60s--I think the train was actually above their antenna which was 235 feet above average terrain. And, WLII-B (FM then WBLS) was, I believe, the only ESB station that was not in the area with the master antenna from scratch; its airpits I recall, was in '67."

"You need to correct your statement about the master antenna stations running 5400 watts. . . For years, a whole bunch of Zone I class B stations and all the Class As over 300 feet (now 328) had variously interpreted Fig. 3 of the FCC rules. But things were clarified and of course a whole bunch of increases were filed for.

"NYC was the world's first FM market and fairly well developed by Pearl Harbor Day with something like seven stations on the air. . . . WYNY is apparently the world's oldest continuously operating FM station, having its origins in 1934 as WYNY-FM, the first FM station in the world. Another NYC station, WOLX, starting in Nov. 39 in Long Island City (as an audio outlet for a TV station between 2-3 MHz, "W2XLR", which actually existed in the early '30s - ed.). Still another older is the present WHKS, starting Feb. 1940 at 43.5 with W2XKX at 43.7. WOLX and WHKS were the first FM stations in the world. The 43.7 MHz WOR-FM Station was the first in world to use vertical polarization. . . . Back to the microwatt level, John LaTour recently turned on K292AG, Jefferson City, which relays our own station. Still some antenna work to do, but coverage fairly good though Jeff City is very hilly. The radio that can't be avoided. But have heard up to 45 miles away in one locs.

"Back to NYC, understand WAPP is atop the WTC. But 103.5 has always been a tricky alliant. WPRB Princeton NJ had been operating with something like 120 watts at 103.9, but in 1960 moved to 103.5 with 17 kw. WTFM continued to operate from Babylon NY, out on the island, on 105.5, something like 85 miles separating them... when in 1965, W. M. G. CP to the west of the island, near Suffern, NY, the far east side of Queens; he went up and a DA, one of the first for FM was specified... The FCC moved WYZZ Wilkes Barre PA from 103.3 to 92.9. This opened 103.3 at Princeton and in '62 PRB moved from 103.5 to 103.3, a channel away from TFM... Moving from the Chrysler Bldg. [site after Lake Success was abandoned] to WTC of course and decreased spacing with PRB; I assume a directional antenna is required. I understand WKCR was the first NYC station to use WTC; WPA-TFM was the first to use the tower. I think the FCC was satisfied with that; all, it is two or so miles closer to 1st adjacent stations in Philly (in some cases) or other short spaced stations grandfathered in."

Atlanta, watch out—you're getting another rim-shooter! WLET-FM 106.1 Toccoa is planning a new tower at 1,500 feet above average terrain. "We'll be providing city grade coverage over northeast Georgia," said new owner W. Orson Woodall of Valdosta. Range is expected to be from North Atlanta to Greenville SC. No format or operational changes are planned.

A medical doctor customer of mine in NY state sent me copies of the Vol. 7, No. 7, 1984 *Stereophile* covering a variety of FM tuners, including the McIntosh MR78 and the Onkyo T-9090. It rated the Scott 539T quite high, and as the result I've become a Scott dealer. I prefer the manual-tuning Scott 539T, as you can fudge on the tuning and perfect the selectivity somewhat. On Dec. 26 the FCC expanded the FM subcarrier baseband to 99 kHz within 300 km of the Mexican and Canadian borders.



KGTL

ALASKA'S MOST POWERFUL RADIO STATION
P.O. BOX 103 • HOMER, ALASKA 99603

David F. Becker, owner/chief engineer, confirms that KGTJ-FM is feeding K265BJ Kenai-Soldotna and K272BW Kodiak, via a 10 kHz bandwidth, 85 kHz subcarrier with the programming of KGTJ AM at 620 kHz. "To my knowledge, this is the first such usage of an 85 kHz subcarrier, with such a wide bandwidth, as well as the innovative idea of rebroadcasting an AM station on an FM translator. This was made possible by FCC grant of rule waivers, which I doubt would be approved anywhere else but in Alaska. Thank you for your interest in our project, and your information for your FM Atlas appears to be correct as stated on your post cards."

"I am enclosing a copy of p. 6 of the Feb. 4 'Broadcasting' magazine about a new 1764 foot tower for WFOX-FM in

**WFOX 97FM**

**GEORGIA'S TALLEST RADIO TOWER
PROVIDING SUPERB SERVICE TO
2,225,694 LISTENERS.**

**KLINE'S 1764 FOOT TOWER
WAS THE NATURAL CHOICE
WHEN WFOX DESIGNED AND BUILT
GEORGIA'S MOST MODERN FM FACILITY
TO SERVE THE ATLANTA AREA.**



Gainesville GA. I find it almost impossible to believe, as the ad implies, that a tower of this height would be built solely for one FM station, writes **John Kibler**. But it's true; Georgia broadcasters have been among the nation's leaders in embracing tall towers solely for FM use.

Here's more on the heating-up race for Toronto's last FM channels. Commercial channel 97.3 is hotly contested, with these applicants:

◊ Robert Wood, former CHUM general manager, wanting an adult rock format.

- ⊕ Louis Cooper, owner of several metro-area record stores seeking a jazz station.
- ⊕ Telemedia Communications, CJCL AM 1430, easy-listening music.

- ◆ L. Paddy, R. K. Whyte, Leszek Brodowski and D. B. Brough
- ◆ Moffatt Communications, Winnipeg, easy-listening
- ◆ Grant Broadcasting, CKQT, Ottawa, b, application to move CKQT to CN Tower. Toronto Star's article does not state if this could be a pre-condition for CKQT to remain on 94.9, or be in contention for 97.3.
- ◆ Robert Redmond, Redmond Communications of S. T. Catharines, Ontario, one of the S. T. Catharines stations, b
- ◆ Dr. Martin G. Ungar, Dr. Martin G. Ungar, who says he has an unique proposal for a nonrock, easy-listening sound, with other features he will disclose later.
- ◆ Steven Harris, with a pay-TV background, for an urban pop-country mix.

- ◆ Middlesex Broadcasters, CJBX 92.7 London ON, for a full-spectrum country sound, soft, with less emphasis on hits.
- ◆ Pickett Broadcasting Systems, a local group proposing a soft urban country sound, with special community service programs for North York area S c m b orgh
- ◆ Other groups which have not disclosed their programs

Key Radio, CKEY AM 590 Toronto; Westcom Radio Group out of Vancouver and owner of CHML AM Hamilton; MI Radio, a group of private Toronto investors; CJMF 1190 Lt. of Mississauga.

An applicant for 89.5 is closed circuit station CJUT at the University of Toronto. They want 20,000 watts. Rival CKLN at Ryerson, feels that the programming of the two stations would not be duplicative, but manager Anton Leo warns CJUT "they've got to get an awful lot of work to do. It's not like going for a long tradition of cable and carrier current broadcasting to lower middle class areas. They want to go from nothing to 20,000 watts. It's a mammoth task. I guess they realize that," he says. The CBC wants a French stereo station, 89.3, WISL in Houghton NY, which is sometimes barely receivable. Reporter, Stephen Tuura in St. Catharines, would have a station maybe to 90.5 or 89.9. "They only broadcast limited hours any day. They would agree to switch to make way for a major Toronto station. They would have to turn off Toronto AM stations are broadcasting or have permission from several. Grimsby, 40 km across Lake Ontario from Toronto.

Roger Winzor says WEFT Champaign IL is "anxiously awaiting FCC OK to go to 10 kw and stereo. Should be soon, and on this summer. Their format is very varied, but basically j, a soul show S at. p.m., followed by blues. Little classical music is played."

FOR APPLICATION—List supplied by Larry Fuss

[illegible]

Robert Goodman says that during the 2-9-85 outage of NY city FMs, all he heard out of the ordinary was Spanish station WLVH, 93.7, Hartford CT, normally covered by WNYC-FM *93.9. "Without looking, I'd guess 1950 as the year of publication in the April 'FCC-FM'. My second guess would be 1945."

I know Robert is interested in property rights in broadcasting, having read some of his comments in another column. A good primer on the subject is *Telecommunications in Crisis: The First Amendment, Technology and*

Technology and Deregulation, by Edwin Diamond, Norman Sandler, and Milton Mueller. The book is published by the conservative Cato Institute, 224 Second Street, S. E., Washington DC 20003, and costs \$6.00. I have read other Cato writings on the uses of the spectrum, and disagree with them, but they do provide food for thought, now that deregulation and Reaganomics are "in."

Bob Zent, who "always enjoys reading your column in the VUD each month," says that earlier this year WERT-FM 98.9 Van Wert OH completed their long-awaited power increase, and are now at 50,000 watts and in stereo with a beautiful music format (although their audio is somewhat distorted, probably due to outdated equipment). "The signal strength is good here, at 50 miles. WLAB #88.3 in Fort Wayne is still running equipment tests every day. Their signal is rather poor here at 28 miles. They are not in stereo."

W. R. McIntosh has his Capri CD-01 SCA sleuth in operation. "There is a 4-channel output jack on the back of my Pioneer SX 1010. All I had to do was plug the CD-01 into that jack and I was in business. I'll get fancier later. My next step will be to put a switch in the SCA line so that I can switch between the CD-01 and a Yaesu FRG7 with longwave converter which is available...So far I have not found any stations broadcasting SCA on 92 kHz. Lyle Henry did not know of any when I talked to him. . . Yes, I know—I have a lot to learn. Will keep trying and listening and making new equipment setups. Sooner later I will know what I am doing!"

An article Mc sent lists prices various Los Angeles stations may fetch in the wake of the recently-announced merger between ABC and Capital Cities.

Robert Baker, Humboldt IA; Richard E. Berg-Anderson, Woodside NY (who is renewing his WTEDA membership and "looking forward to another year of your column and a new edition of 'Fl Atlas', hope fully soon"); David F. Becker, KGTL Homer AK; John E. Braun, Speech Dept., Gustavus Adolphus College, St. Peter MN; John F. Combs, Jacksonville FL; Ernest R. Cooper, Provincetown MA; Nolan Crabb, Berwyn IL; Mike Dörner, Mandeville LA; John Ebeling, Bloomington MN; Eric Fader, Bayside NY; Ted Fleischaker, Louisville KY; Wendell Ford, Westville IN (who says WAOR 95.3 Niles MI now 24 hours a day); Larry Fuss, Jackson GA; Al Germond, KARO Columbia MO; Robert Goodman, Bronx NY; Robert Grant, Detroit MI; Bob Grove, Grove Enterprises, Brastown NC; Tom Haskett, Gary IN, sending more FM station logos; Carmine Iannace, WFCS New Britain CT; John M. Jefferson, Pleasanton CA; Don Leag ue, Henderson NC; Nick Lombardi, Atlanta GA, who wonders how a 105.5 translator can exist in Lilburn GA with WCHK only about 28 miles away. It can, if it's willing to live with a certain amount of interference. Also contributing: John S. Kibler, Clovis NM; John Lapp, Lakemont GA; Fred McCormack, Fargo ND; W. R. McIntosh, Granada Hills CA; T. K. Mc Vey, Knoxville TN; Albert Nielsen, station manager, WDNX, Savannah TN; David J. Nieman, Akron NY; Pete Nolan, Houston TX; Keith Pugh, New Hope AL (who thought my AM to FM conversion article might have dated from 1968—"since I am only 23 I took notice of FM in 1974 when I finally had a receiver that performed well on FM"); Kermit Reid, College Park GA; John R. Snee, general manager, KDAL Duluth MN; Stephen Tuura, St. Catharines ON; Marjon van den Bosch, WEVO FM, Concord NH; Ben R. Wilkie, York ME; Roger Winsor, Champaign IL; Robert Zent, Huntington IN.

As Chaucer would say, now that summer is a-comin' in, "Good DX to you!" b.e.

TELEVISION NEWS

Bill Fahber, editor
336 Atlantic Street
Bridgeport, NJ, 08302

STEREO TELEVISION UPDATE

Now that a technical standard has been adopted by the broadcasting industry, stereo and multichannel sound are gaining rapidly in popularity.

The Broadcast Television Systems Committee (BTSC) of the Electronics Industries Association had adopted the Zenith standard, along with the dbx noise reduction proposal. RCA is selling stereo television sets on the market, and networks and several independent stations are already putting their efforts into stereo television.

The area between New York and Boston seems to be stereo's greatest stronghold. WJTV-TV, channel 66 in Marlborough, MA, is operating 24 hours a day with solid video music in stereo. Three other stations in Connecticut are also equipped for stereo. PBS and NBC are also going heavy into stereo programming.

PBS had a head start. As far back as 1979 it had been transmitting stereo signals of some of its programs so that local stations could arrange for stereo simulcasts on local FM stations. Although stereo TV is now available to the public, PBS doesn't plan to increase the amount of stereo programming distributed over its satellite feed. Its stereo is limited strictly to music, and it has no intentions on increasing its music programming.

NBC, of course, had been recording The Tonight Show and other programs in stereo even though it had been transmitting its signals to affiliates in mono. But once it begins relaying stereo signals this summer, it will be the first to have reruns in stereo.

ABC and CBS? Things are moving slowly among those two networks.

Program availability not only comes from the networks, but also from program syndicators, and, especially, from the current interest in video music, which is available in stereo.

But there's more to BTSC than stereo sound. There's the Separate Audio Program (SAP) channel. WTIC, channel 61 in Hartford, CT, is using it as a program guide. KTLA, ch. 5 in Los Angeles, CA, is using it for bilingual programming. WNJT, ch. 52 in Trenton, which doesn't have facilities for stereo, can still transmit a reading-for-the-blind service over the SAP channel.

The demand for stereo programming has already exceeded the supply for those stations that have stereo facilities. To make up for the lack, most of those stations have resorted to synthesized stereo, which converts a mono sound into something that sounds like stereo.

Those stations which to date have stereo broadcasting equipment are as follows:

WDBB	17	AL	Tuscaloosa
KTLA	5	CA	Los Angeles
KRBK-TV	31	CA	Sacramento
KTZO	20	CA	San Francisco
KOVR	13	CA	Stockton
KCNC-TV	4	CO	Denver
WFBS	3	CT	Hartford
WTIC	61	CT	Hartford
WXXX	20	CT	Waterbury
WDCA-TV	20	DC	Washington
WTLV	12	FL	Jacksonville
WPBT	2	FL	Miami
WTTW	11	IL	Chicago
KDIN-TV	11	IA	Des Moines
WVJW-TV	66	MA	Marlborough
KPLR-TV	11	MO	St. Louis
KTNV-TV	13	NV	Las Vegas
WNBC-TV	4	NY	New York
WBTV	3	NC	Charlotte
WCET	48	OH	Cincinnati
WVIZ-TV	25	OH	Cleveland
KATU	2	OR	Portland
WAXA	40	SC	Anderson
WATE-TV	6	TN	Knoxville
KERA-TV	13	TX	Dallas
KSAT-TV	12	TX	San Antonio
KSL-TV	5	UT	Salt Lake City
KUED	7	UT	Salt Lake City
KOMO-TV	4	WA	Seattle
KIRO-TV	7	WA	Seattle

HIGH DEFINITION TELEVISION UPDATE

Japan's NHK system proposed to the world a new set of television standards which would mean sharper pictures, better color and sound, and wider screens. This system used 1125 scanning lines, 30 pictures per second, each consisting of two interlaced fields.

In the United States, RCA wasn't satisfied with NHK. The higher resolution had brought with it a noticeable flicker in the picture when objects were in motion. To try to eliminate that, RCA developed another set of HDTV standards. It used 750 lines per second, and 60 pictures per second, which produced better resolution on moving images, but not as good on stationary images.

Both NHK and RCA, or greater yet Japan and the United States, prefer a system which has 60 fields per second, because of their 60 Hz standard for alternating electrical current. Europe, which has not yet made any progress in HDTV, has a 50 Hz standard, so any development there would be toward a 50-field system. But Japan's NHK had demonstrated a downconverter that made its HDTV compatible with a 50 Hz supply.

So the strategy between Japan and the United States is to develop a standard that both nations can agree on, and make it compatible with a 50 Hz power supply before Europe and Great Britain begin seriously developing any HDTV standard, or a direct broadcast satellite system with HDTV capacity. To fail to do this invites a repeat of the present television problem: NTSC vs. SECAM and PAL, 525-line vs. 625 line, 60 Hz vs. 50Hz.

March 19, 1985 saw a step in the right direction. The United States Advanced Television Systems Committee met that day to vote on one of the standards, and decided on the NHK system. The ATSC, which consists of electrical engineers, and equipment manufacturers, will then recommend to the Department of State that NHK's system be supported at a meeting of the International Radio Consultative Committee (CCIR). The CCIR is a United Nations sponsored society whose function is to adopt internationally accepted standards for radio transmissions. The CCIR meets in May, and an international agreement should be out by October.

Meanwhile the European Broadcasting Union's technical committee had planned to meet in April to discuss the quality of the 60 Hz downconverter.

TELETEXT UPDATE

WHA-TV in Madison, WI, WMVS in Milwaukee, and the five stations of the Wisconsin Educational Television Network began a teletext service using the World System Teletext Standard. The service, called Infotext, will supply commodity and stock market information, weather, and news. This is a six month trial period. If it receives enough interest from farmers, it will be made permanent.

LOS ANGELES LICENSE RENEWAL UPDATE

The FCC renewed the licenses of all Los Angeles television stations despite objections by several individuals. Sue Gottfried had objected on the grounds that the stations had failed to serve the needs of the hearing impaired (i.e., not enough closed or open captioning). Stanley Fleishman of the California Association of Physically Handicapped, objected that they had not made any efforts to hire the handicapped. Elise Bradberry objected that NBC had denied her the right (?) to serve as a volunteer newscaster on NBC's daily newscasts. Figure that last one out.

LOS ANGELES SHERIFF UPDATE

The Association of Maximum Service Telecasters wasn't happy with the L.A. Sheriff's plan to allocate the upper portion of UHF channel 19 to his department. As an alternative, the AMST proposed a reallocation of the 216-225 and 900 mhz bands. The Sheriff is accusing his critics of delaying the FCC.

FAIRNESS (sic) DOCTRINE UPDATE

As you recall, the Syracuse Peace Council had complained to the FCC about WTVH in Syracuse, which had run a series of commercials for the Energy Association of New York. The commercials promoted the construction of the Nine Mile II Nuclear generating station. The FCC in turn ordered WTVH to fulfill its fairness obligations. That is, give free time for the Peace Council to present its side of the controversy. Unlike the Energy Association which paid for its advertising, the Peace Council is supposed to be granted free time to express its own views. That's why it's called the fairness doctrine.

WTVH is presently petitioning the FCC to reconsider, questioning the constitutionality of the fairness doctrine.

HBO UPDATE

Home Box Office has already begun testing its scrambled signals along the east coast and west coast. The purpose of the test is to insure that affiliates have properly installed their decoders in preparation for the day when HBO goes 100% scrambled.

CHANNEL-SWAP UPDATE

The FCC adopted a proposal that would allow educational VHF stations to swap channels with commercial UHF stations without fear of other parties attempting to grab the channel. But the question still remains in the FCC's mind: does it have the legal right to prevent third parties from interfering with the swap.

Presently there are two obstacles: FCC policy, which had always been to allow third parties to apply for any new channel that has recently been applied for, and case laws which have resulted in court decisions.

In the FCC's proposal, any swap would be subject to the FCC's approval before rulemaking is established to modify the table of assignments. Before the FCC makes any decisions on a particular swap, it would weigh the advantages and disadvantages to the public interest.

FORUM

This month's Forum consists of two months worth of letters, and they're not really in any particular order.

Larry Fuss corrects one report in the 4/85 column. KTRV in Nampa, ID (ch. 12), is being BOUGHT by the Toledo Blade Company, not sold by it. For New Stations On The Air, the new channel 44 in Pensacola should be WJTC, not WJTV. On my comments on page 12, that should have read, "The FCC allows... but not a radio station and a full service broadcast station." But Larry comments further on that anyway: "...you CAN own a radio station and a full-service TV in the same market, providing the TV is a UHF. The FCC considers waivers on a case-by-case basis."

A few scribbles from John Clemmer: "WRAU-TV 19 Peoria finally changed to WHOI for 'Heart of Illinois' in mid-March. ERP is now 5 million watts per sign-on announcement. No sign still of channels 18 (Davenport, IA, KLTJ) or 30 (KDAV, Davenport) here in the Quad Cities. WQAD TV 8 recently bought by the New York Times may try to get CBS affiliation away from WHBT-TV 4."

Bill Townsend reported that WGGT, ch. 48 in Greensboro, N.C., was a CBS outlet. I had them as independent; supposedly WFMY-TV, ch. 2 is the local CBS outlet. Was there some kind of change, or was WGGT picking up some CBS feed that was rejected by WFMY?

Randy Miltier says that KTEH-54 in San Jose seems to be getting the money it needed in donations (cf. VUD 4/85, p. 12-13). Also, an article from the 4/18/85 San Francisco Chronicle: "Channel 44's offer to give KQED (Channel 9) \$50 million to trade spots on the dial sounds big, but it is small potatoes. Another local station has offered twice that for a trade - and a Washington-based group is willing to go as high as \$150 million to get the nine slot." Channel 44 is KBHK-TV. Randy sus-

pects that the other local station might be KTZO-20. No idea on who the Washington firm could be.

Christopher Hanley reports that WEJC, ch. 20 in Lexington, NC, should be on the air fairly soon. Summit Cable in Winston-Salem asked the FCC for a waiver of the must-carry rule, claiming that it doesn't have room on its dial (ch. 2-13) for WEJC without eliminating HBO or ESPN, or the like. That's not to mention that channel 2 carries school programs and PTA announcements. Nor to mention that when WEJC goes on the air, it will provide subscribers with free CBN and PTL programming, making it no longer necessary to pay Summit extra for the CBN/PTL channel. No, we won't mention that. (Chris, can you answer my question about WGGT and WFMYY?)

Steven Sprachman, now living in Hicksville, NY, wrote back in March. WHT (that's WWHT, ch. 68 in New York and WSNL, ch. 67 in Smithtown) is now Saleco-TV, but still advertises itself as WHT. WWHT is not yet broadcasting from the Empire State Building. Something about a giant gorilla damaging their transmitter tower. The New York TV Guide no longer lists the UHF translators in the city. W53AA (WCBS), W60AI (WWHT) and W64AD (WNET) are still on regularly. W62AA (WNJU) is on occasionally. (They have been having troubles with that translator. Even when it's translating, the programming still comes out in Spanish.) W57AB (WNBC), W66AA (WABC), W71?? (WOR-TV; I don't even have this one listed in the LPTV-XLTV list), W73AP (WPIX) and W75AM (WNET) are no longer on.

Steve reports that W59AT and W63AS, the two music channels on Long Island, are on the air with music videos from 8 a.m. to midnight, and run an ID slide from midnight to 8 a.m. A good late-night DX catch.

WNYC-TV, ch. 31, is now leasing out time to Japanese programmers, and has commercial advertisements. (I wonder about WNYC, the station is on a channel not reserved for educational programming, and it is owned by the City of New York, I believe, which is not a noncommercial educational institution. Is it really considered an educational station by the FCC?)

Steve sent an article from the 3/17/84 New York Times about the television situation in Long Island, New York. WLII, ch. 21 in Garden City is the local PBS outlet. But most of the residents seem to prefer WNET, the "glamour channel" on VHF channel 13. WLII has done very little to compete with its big VHF neighbor, other than schedule its PBS programs at different times and add a small percentage of local programming. Its other problem is its lack of identity. It doesn't represent itself as a station serving Long Island. At least not according to Suffolk County, which completely stopped all funding of the station because it didn't do enough for them. WNET has 27,000 supporters on Long Island (paying members), compared to 3000 for WLII. Then comes WLIG, channel 55, not on the air at the time of the article. WLIG devotes itself to family programming, older television series, movies and cartoons. Its nightly 10 p.m. news uses its

own team of Long Island reporters.

Dave Nieman took a trip to Ohio to confirm last April's report that WOIO, ch. 19 in Shaker Heights is on the air. He could see no sign of the station at 60 miles away despite troops as far as 175 miles away. He also reports seeing WSMH, ch. 66 in Flint, MI on 4/30/85 with cartoons, reruns, movies, and some religious programs. Already? I don't think they even had a construction permit for a whole year yet. I didn't even have any call letters yet for that station, so everybody take note of them now.

Another from **Larry Fuss**. (As I said, these aren't necessarily in order.) This is from the 3/11/85 Atlanta Constitution. WATL, ch. 36 in Atlanta, hired John Serrao as its new general manager to improve its faltering ratings. WATL had been doing poorly because of its heavy dependence on kung fu and monster movies and paid religious programming. Unfortunately, Serrao is stuck with previously made commitments for syndicated programming for the next year or two, but he is already making some changes. For example, weekend afternoons will feature movies that will appeal to women, since the men will be tuned to the usual sports programs.

Several letters from **Randy Miltier** again. One is about the Capital Cities takeover of ABC, from the 3/21/85 San Jose Mercury News. The takeover resulted in four basic rules of the FCC concerning ownership being violated. (1) Two stations within 125 miles of each other cannot be owned by the same person or company. WPVI, ch. 6 in Philadelphia (owned by Capital Cities) and WABC (ch. 7 in New York, owned by ABC) are in violation of that. (2) No network is allowed to own a cable system. Capital Cities owns some cable companies. (3) Nobody can own radio and television stations in the same market (but see Larry Fuss' comments on the previous page). The only exception is in cases where both were owned by one party before the rule was made. But with ABC selling everything to Capital Cities, it then becomes a new owner, no longer "grandfathered." (4) No one may own stations that cover more than 25% of the nation's population. The combined stations of ABC and Capital Cities cover 28.5% of the population. Another strange situation: Capital Cities now owns CBS affiliates in Fresno, CA and Raleigh-Durham, NC, which are in competition with ABC affiliates. (KFSN, ch. 30 in Fresno and WTVB, ch. 11 in Durham) They may switch to ABC after their present network contracts expire. The 3/28 Mercury News mentions another touchy situation. It seems that CIA director William J. Casey owns stock in Capital Cities, which now gives him a large stake in a major television network. Casey was one of the founders of Capital Cities. (Not to mention his organization's interest in many noncommercial educational stations!)

Now for the TV/Radio section of the 3/28 News. Columnist David Rosenthal is complaining about pledge drives on KTEH-54 and KQED-9. "Both KTEH and KQED were more obnoxious than ever in the way they wheedled that money out of us. They interrupted programs we didn't want interrupted. They droned on longer than 'Mas-

terpiece Theatre' on some of their breaks, making scrambled eggs out of their printed schedules. They even followed 'Sesame Street' with pitchmen telling kids to get Mommy or Daddy for 'this important announcement.' Thinking it was probably something about how to meet Bert or Ernie or buy a Cabbage Patch Doll - those are important announcements to a 5-year-old, not how to keep public TV alive - a lot of little tykes probably did drag Mom or Dad in front of the tube for a little daytime pledging." Actually I like the way New Jersey Network does their fund pitches. Every so often, when they begin to get monotonous, they take a break for a few minutes of regular programming.

"As for KQED, which long ago elevated guilt-tripping into an art form, the San Francisco station raised a record \$1.56 million, an increase of 22 percent from the same period last year." KBHK, ch. 44, is still trying to get KQED to switch channels for \$50 million. I can see KQED's next pledge drive now: "And for a pledge of fifty million dollars, we will send you..."

Next up is **John Combs**. (John, it's a wonder the post office hasn't sent some of those envelopes back to you. Or did they?) On the XLTV-LPTV List: "It seems like you list any LPTV/XLTV that is licensed or a CP, whether or not it ever went on the air." He's right. I have no way of knowing what their status is, unless members write in. Those microfiche lists give no indication. "For instance, the Immokalee and Ft. Myers xltrs (FL - wbf) have been off-air for at least 10-15 years. The TV shop that had the license to operate them is long since out of business. They were used when WINK-11 was the only receivable signal in the area. I also contend that W29AB is much more powerful than the .015 kw shown. I have literature from WTOG-44 somewhere around here (probably got misplaced in the move) showing them as 1-kw input and a much higher ERP." (Stop looking, John. You sent it to me three months ago. See the 3/85 VUD.)

John sent a clipping from the TV section of the 4/21 State/Columbia (SC) Record. Columbia affiliates are going to Ku-band satellites for their network feed and dropping AT&T cable. WIS-TV, ch. 10, an NBC affiliate, noticed a sharper picture as a result. And better color. WLTX, ch. 19 (CBS) will also go to satellite feed at the same time they go to their new transmitter tower, 2049' ASL; their signal will increase from 1250 kw ERP to 5000 kw.

Another article mentions that there are 8 applicants for ch. 68 in Clermont, FL. The FCC should have a choice from among them in a few months, "but the decision is subject to appeals that can take years."

John is quick to state that he doesn't read those scandal sheets, but he couldn't resist this one. According to a "Bermudan police official, who spoke on the condition that his identity not be revealed..." (Naturally, who in his right mind would want to be sent to the funny farm.) A group of vacationers set sail from the Bahamas to Bermuda, in that wonderful area known to crackpots as the Bermuda Tri-

gle. They were watching soap operas on a portable television. (John adds, "and how or why were these people watching TV to begin with, when a course from Calicos to Bermuda would take them far from land and TV signals?") Anyway they wound up watching programming and commercials that were more than twenty years old. Either they had replaced the antenna with one of those light cells that get in KLEE in Houston, or there was a tropospheric duct to St. Cloud, Minnesota.

Enough of that. Let's go on to **Richard Wertman**. After sending a reception report to WPCB-TV, ch. 40 in Wall, PA, he has received several pleas for money to help build WKBS-TV, ch. 47 in Altoona. Both are owned by Western Pennsylvania Christian Broadcasting Company. In a newspaper clipping, when WNYB-TV, ch. 49 in Buffalo, NY, goes on the air, Lockport Cable (Richard's hometown) will have to put on the VHF dial, and move HBO over to one of the channels requiring a channel selector, an additional \$4.00 a month for those who don't have one yet. In another article, Warren Buffett, chairman of the Buffalo News became a board member of Capital Cities as a result of his part in the ABC-Capital Cities merger. But since that gives him interest in both the newspaper and WKBW-TV in Buffalo (a Capital Cities station), the station had to be put up for sale. Price: \$60-70 million. A last note from Rich: WNET-TV, ch. 17 is still having hearings with the town of Grand Island to build a new tower near WUTV-29.

Roy Barstow asks how WCVX and W58AO will both be able to operate on the same channel 58. (Both are Vineyard Haven, MA). They can't. Legally, translators and LPTVs must go off to protect full service television stations. When somebody applied for a full service station on channel 58, the owner of W58AO had no choice but to compete with that application or be forced off the air. He won out, and received a construction permit. So when it is completed, W58AO will become WCVX. Roy saw WLIG-55 in Riverhead NY testing as far back as 3/27/85 with 3/4 CBTP. He later sent more information on the station when it went on the air. That will appear later.

Fred McCormack sent some more translator corrections from that area. He corrects himself, stating that K67BZ in Walker, MN, picks up KBJR-6 via K61BH in Deer River, not K59BQ. In Fargo, ND, K66LD is now K02LD. It is a translator for WDAY-6. K68BT (Starbuck, MN) has WDAY for primary also. K42AN (Willmar, MN) picks up KITT-29 directly. K42?? in St. James, MN, also picks up KITT-29 directly. According to a copy of a letter sent in by Fred, Prairie Public Television is crying the blues now that cable TV in Saskatchewan had dropped PPT in favor of WTVS in Detroit via satellite. PPT is asking for more donations to make up for the loss. The upper portion of the letter reads, "Saskatchewan is lost!" I just looked it up in my atlas. Don't believe them. It's still there.

W.R. McIntosh sent several articles during the past two months. Two deal with Rupert Murdoch, an Australian publisher who owns

the London Times, New York magazine, part of 20th Century Fox, the New York Post, and the Chicago Sun-Times, and other interests, is now seeking United States citizenship to clear the way for him to purchase seven television stations from Metromedia Inc. There are FCC rules against non-citizens having an interest in United States television stations. (remember the case with SIN, where other Spanish broadcasters were claiming a Mexican company with having control over the programming of SIN affiliates.) Among the Metromedia stations being sold are the New York and Chicago stations, making it necessary for Murdoch to sell his New York Post, Chicago Sun-Times, and possibly the Village Voice. He and Marvin Davis, both half-owners of 20th Century Fox, are planning in being together in the purchase of the Metromedia stations.

Speaking of down under, Oak Industries is \$230 million in debt, but has obtained \$15 million credit from Foothill Capital Corp. With that and having 73% of its debentures tendered, it will at least be able to pay interest on common stock rather than cash. This will help it avoid bankruptcy. Otherwise ON-TV would become OFF-TV (Ooh! That was bad! NEXT MONTH: Part Two of "How to Get Kicked Out of a DX Club.") Meanwhile to add to Oak's troubles, former shareholders of Oak are suing it for \$13.25 million, which will eat up most of that \$15 million credit. The shareholders allege fraud, deceit and negligence when Oak neglected to inform them of defects in the manufacture of TC-56 Television cable converters when they invested in them.

Golden West Television Inc. is selling KTLA, channel 5 in Los Angeles. They estimate its value at about \$500 million. The highest ever paid for a television station was \$350 million in 1983 for a Houston station. The reason given for the sale is that it is becoming more difficult for independent stations, even in a major market like Los Angeles, to compete with the network affiliates and Metromedia for decent syndicated programs.

Storer Communications Corporation, owner of the fifth largest cable television operation and owner of five television stations, is also having problems with investors. A group of them created the Committee for Full Value of Storer Communications Inc. They are complaining that their stocks are undervalued in the stock market, and that they could receive more if Storer's assets were sold and the proceeds distributed among the stockholders. Their plan is to elect a slate of ten directors that would liquidate the company. Those proposed directors are from Conniston Partners, an investment company. The FCC defines this planned transfer of control as a minor concern, thus exempting it from a 30-day notification of a public hearing in which special interest groups and anybody else can raise public interest issues and stall the transfer of control for as much as a year or more. Special interest groups are now objecting to the FCC's decision, and went to the U.S. Court of Appeals in Washington, but the court sided with the FCC.

KCET, ch. 28, raised \$1.1 million in pledges in its March, 1985 fund drive.

Dick Clark reports from the Dominican Republic that WMTJ-TV, ch. 40 in Fajardo, Puerto Rico, went on the air in February, 1985. It's an educational station, with apparently all or nearly all Spanish programming. A program schedule shows what appears to be classroom programming from 3:00 p.m. to 11:00 p.m. He also says that the APRTS station on channel 40 in Roosevelt Roads is now on channel 38. Also WRRR, channel 30 in San Juan has been off the air for a few weeks, as reported in mid-April.

A postcard from George Mileon reports that WVJV in Marlborough, MA, is on only 20 hours a week, not 24. WSMW-TV, ch. 27 in Worcester MA cut back considerably on its scrambled broadcasting. It is now STV only 7 p.m. to 5 a.m. weeknights and 5 p.m. to 5 a.m. weekends. They reduced their fee to \$4,000 monthly.

Just in from John Combs: a friend reported to him that W69AY in Alachua, FL is on the air with video music. It identifies as TV-69. It can't be seen from Gainesville, only about 30 miles away.

RIVERHEAD, NEW YORK: CHANNEL 55 IS ON THE AIR

Richard E. Berg-Anderson was the first to send me information on channel 55, WLIG in Riverhead, New York. Enclosed was a schedule for the station. And let me tell you, it is chock full of old syndicated programs. And I mean old. How old? Any of you old timers remember Annie Oakley or the Cisco Kid? No? Well how about The Doris Day Show, Peter Gunn, Ben Casey or The Rebel. I mean, you thought KXLI in St. Cloud was bad! Maybe those people in the Bermuda Triangle were really getting in WLIG. Well, at least its movies were a little more current. This schedule includes The Fly (on Screen Museum, its Saturday night horror spot.), Mark of Zorro, My Friend Flicka, Charlie Chan at the Opera, Jane Eyre and Call of the Wild.

Eric Fader sent an article from the 4/28 New York Times, the day WLIG-TV went on the air. "The station will broadcast at 5 million watts, and the signal is expected to reach from Amagansett to Hicksville. It will offer a mix of news, movies, and reruns of television series.... The debut of Channel 55 is not without problems.... Cablevision of Long Island, the island's largest cable system, and the largest in the nation, has not decided whether it will carry Channel 55." "While Channel 55 will be carried by four Suffolk cable companies, Cablevision covers most of Nassau as well as portions of Suffolk." The dispute... revolves around what is commonly called the (FCC's) must-carry rule... requires cable companies to carry a station whose city of license is within 35 miles of any of the cable company's subscriber communities." "The station only hits 4,000 of our 240,000 subscribers; does that mean we have to carry it?" Why doesn't Cablevision want to carry this station? "Where do we put it? We've got capacity constraints; out 36 channels are full at night." (Yeah, most likely with those junk services, local school channel, and more movie channels than anybody knows what to do with, probably.) "Cablevision's decision on whether to carry Channel 55 is vitally important... because it offers a potential audience

of 240,000 homes." It was 12 years ago that WSNL, channel 67 went on the air as the island's first commercial television station, but the station filed for bankruptcy two years later. The station went off the air, and came back on several years later as a STV station. UHF stations on Long Island have a long way to go, as was mentioned a few pages back with WLII, channel 21. WLII has WNET, channel 13 to compete with. WLII has all those other commercial VHF stations to compete with. Three network affiliates, two superstations, and a Metromedia station, all on VHF. To create appeal for the station, it seems to be trying to create for itself a "Long Island Only" image, something WLII has failed to do, and something you don't get out of a station that is almost entirely STV. The station plans a nightly half hour news program, with three news gathering teams covering the island every day.

APPLICATIONS FOR NEW TELEVISION STATIONS

CH	ERP	HAAT	STATE/CITY/APPLICANT
36	5000	951	SC Charleston; R.G. Brown Communications Inc.
36	5000	985	SC Charleston; Evelyn Broadcast'g
46	5000	971	FL Naples; Meycom, Inc.
55	5000	1556	SC Rock Hill; Neisler, Ltd.
52	3350	883	TX Blanco; Blanco Communications
52	5000	799	TX Blanco; Marie Luckov
52	5000	1635	TX Blanco; Dorothy O Schulze & Deborah Brigham, partnership
10	8.5	1590	NM Silver City; KOB-TV
68	5000	1436	TX Arlington; Arlington TV 68 Inc. (located in Fort Worth)
50	5000	712	TX Hendersonville; Burwood Bc'g
43	2870	1060	MI Battle Creek; Thompson Bc'g
68	5000	1116	TX Arlington; United Broadcast Group, Inc.
68	5000	1039	TX Arlington; Magdalena P. Cosby
68	5000	1438	TX Arlington; Arlington 68 TV Inc. (Located in Dallas)

APPLICATIONS DISMISSED

AZ	Green Valley; ch. 46; Alden Communications (Sungilt was granted preference on integration and diversification proposals.)
CA	San Luis Obispo; ch. 33; Sainte Broadcasting Corporation; San Luis Obispo Telecasters; Second Local Power Television Inc. (joint request)
FL	Miami; ch. 35; A&I Television Ltd. (at its request)
GA	Albany; ch. 19; Contemporary Communications of Georgia Inc.
NJ	Vineland; ch. 59; Petrum Broadcasting (21.31 miles short-spaced to WNTJ, Trenton)
RI	Block Island; ch. 69; T.N. Robinson (joint request).
TX	Lubbock; ch. 16; Robert Quentin Martin & Cesar Amador, a partnership
ID	Caldwell; ch. 9; Cascade Broadcasting Group, Ltd. (initial decision)
VI	Christiansted; ch. 27; Joseph Bahr (initial decision).

IN Bloomington; ch. 63; Bloomington 63 Ltd. (Joint request, leaving Channel 63 Inc as the sole remaining applicant. Bloomington 63 withdrew its application in return for \$150,000 from Channel 63 Inc. Although the FCC Review Board approved the deal this time, it did take note that other parties connected with Bloomington 63 had done the same thing before, and the Review Board may question their motives if the same thing happens in future consolidated hearings.)

CONSTRUCTION PERMITS GRANTED BY THE FCC

19	2816	1014	GA Albany; Albany Telev. Co. Ltd
27	2188	854	IL Urbana; Metro Program Network
51	1341	1028	KY Pikeville; Hobart C. Johnson
46	100	2300	AZ Green Valley; Sungilt Corp.
23	1312	1371	TX San Antonio; Hispanic Community ETV Inc. (Initial decision; sharetime)
23	2037	1373	TX San Antonio; San Antonio ETV Inc. (Initial decision; sharetime with Hispanic ETV.)
9	115	2737	ID Caldwell; Canyon Communications
27	8.13	1037	VI Christiansted; Samuel D. Elder

CONSTRUCTION PERMIT CANCELLED

NE Lincoln; KGNQ, ch. 51

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

10	240	600	MN Thief River Falls; KFCM-TV
64	3228	1572	CA Barstow; Sunbelt Television
59	1350	1940	CA Sanger; KMSG-TV
16	n.c.	572	TN Jackson; WJMT
32	5000	842	OR Salem; KUTV
34	1175	1025	TX Beaumont; KITU

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

48	1079	818	MS Natchez; WMTZ
66	3076	1967	NC Forest City; WSQY-TV (not 1919 kw as per 4/85 column)
27	1840	2925	NV Reno; KREN-TV
32	5000	890	FL Lakeland; WTMV
18	2880	1080	IA Davenport; KLTJ
52	1558	595	OK Oklahoma City; KSBI
39	3000	2628	TN Greenville; WETO

APPLICATIONS TO CHANGE EXISTING FACILITIES

6	100	1888	CA Sacramento; KVIE
24	3126	1002	MO St. Louis; KNLC
12	316	970	FL Jacksonville; WTLV
15	8	197	ND Fargo; KVNJ-TV
51	1326	1050	PA Reading; WTVE
36	1222	598	RI Providence; WSBE-TV
40	5000	1842	NC Fayetteville; WKFT

FACILITIES CHANGES GRANTED: CHANGE EXISTING

MO	Springfield; KMTC, ch. 27; granted CP to increase ERP from 1580 max/646 hr (?) to 5000 max; 1690 (?) AAT/1590' AG/3145' ASL (26' lower than present; same TL)
NC	Charlotte; WTVI, ch. 42; granted MP to increase ERP from 214 kw to 1393 kw max; 460' AAT/496' AG/1154' ASL (about the same as present height).
NC	Concord; WUNC-TV, ch. 58; granted MP to increase ERP from 550 kw max/191 kw hor to 1240 kw max; 1290' AAT/1400' AG/1951' ASL (Same AAT, but 95' higher AG, 98' lower ASL, but same TL! Somebody's figures are messed up.)
NC	Burlington; WRDG, ch. 16; granted MP to reduce ERP from 2525 max to 1918.8 kw.

Same TL and antenna height.
 WI Madison; WHA-TV, ch. 21; granted application to raise ERP from 759 kw to 1025.87 kw; 1529' AAT; change TL.
 KY Louisville; WAVE-TV, ch. 3; granted application to raise ERP from 914 kw to 1820.
 OH Dayton; WKEF, ch. 22; granted CP to reduce ERP from 2340 kw max to 1858 kw max; 1152' AAT/1055' AG/2010' ASL (same tower, but 39 feet lower).
 PA York; WPMT, ch. 43; granted license to cover changes in ERP from 2698 kw max/2244 kw hor to 2159 kw max.
 RI Providence; WSBE-TV, ch. 38; granted CP to raise ERP from 479 kw to 550 kw; 625' AAT/553' AG/827' ASL (same TL, slightly higher). This was granted before the application to modify construction permit listed on the previous page.
 MN St. Paul; KTCI-TV, ch. 17; granted MP to raise ERP from 39.7 kw max/28.8 kw hor to 1000 kw max (previously had CP grant for 1000 kw); 1298' AAT/1471' AG/2210' ASL (2' lower AAT, 165' lower ASL, same TL; another case of bad figures somewhere.)
 PA Scranton; WDAU-TV, ch. 22; granted MP to reduce ERP from 3006 kw max/750 kw hor to 1381 kw max; 1560' AAT/572' AG/2698' ASL (same TL; same AAT, 46' lower AG and ASL. What's with these figures lately?)
 PA Pittsburgh; WQEX, ch. 16; granted MP to raise ERP from 264 kw max/164 kw hor to 600 kw max; 700' AAT/596' AG/1734' ASL (about the same as before it went off the air a few months ago.)

CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS
 MS Holly Springs: add 40z
 SC Myrtle Beach: add 32z (site restriction 14.8 miles southwest to avoid short-spacing to WUNJ-TV, Wilmington, NC and vacant channel *32 at High Point, North Carolina)

CONSOLIDATED HEARINGS

NV Reno; ch. 4; KCRL-TV (for license renewal) Washoe Broadcasting Company.
 FL Tice; ch. 49; Florida Coast Communications Company; Ralph W. Gabbard; Qualivision of Lee County, Inc.; Tice Television Company; Florida Telecasting Inc.; Reginald L. Duff
 WA Seattle; ch. 45; Puget Television; Duane Tomko, a partnership; Seattle Channel 45 Broadcasting, Inc.; Allen E. Hom.
 FL Tequesta; ch. 25; Tequesta Broadcasting Corporation; Southern Florida Broadcasting Company; Tequesta Television Inc.; Tequesta Television Partners Limited Partnership; Triple J Properties Inc.; Tequesta Coastal Broadcasting Ltd.; Zephyr Broadcasting Corporation; Old Salt Broadcasting Company Inc.; G and I Ltd.; Martin Telecommunications Inc.; Spirit Broadcasting Corporation; Rodriguez-Barnett and Associates Ltd.
 KY Morehead; ch. 67; John H. Leland; Garcia Communications.
 KY Owensboro; ch. 61; Owensboro Television; Johnnie B. Woodberry (whose proposed TL is 1 1/2 miles west of Owensboro, but whose predicted contours center on the city and are notably out of scale); Powers Communications.

NC Raleigh; ch. 50; Cotton Broadcasting Company; The L Broadcasting Co.; Raleigh Community Broadcasting Company; Brahman Communications.
 CA Big Bear Lake; ch. 59; Josie Moore; Felice-Tec.
 KY Hopkinsville; ch. 51; Christian County Television Ltd.; Green River Group Ltd.
 FL Palatka; ch. 63; Pentecostal Revival Association Inc.; Palatka Television Inc. (Pentecostal is 4 miles short-spaced to proposed channel 64 allocation in Williston FL.)
 SD Huron; ch. 12; John R. Powley; Greater Huron Broadcasting Corporation.
 FL Venice; ch. 62; Holiday Group Ltd.; Venice Broadcasting Corporation; Santa Rosa Broadcasting Inc.; Venice Communications Limited Partnership; Channel 62 of Venice Limited Partnership; Todd Broadcasting Corporation; Pauline Zlotolow and Associates Ltd. (The Zlotolow application was subsequently dismissed due to too many errors and omissions in its application).
 TX Decatur; ch. 29; Wise County Messenger Inc.; Karen L. Hicks; Chavela Broadcasting Inc.
 VA Roanoke; ch. 60; Wilbur O. Colom; Congress Street Properties Inc.; Roanoke TV 60 Broadcasting; Southwest Virginia Broadcasting.

NEW STATIONS ON THE AIR

MI Saginaw; WAQP, ch. 49, went on 3/26/85
 NC Fayetteville; WFCT, ch. 62, went on 3/4/85
 NY Riverhead; WLIG, ch. 55, went on 4/28/85
 MI Flint; WSMH, ch. 66, seen by Dave Nieman on 4/30/85.
 PR Fajardo; WMTJ, ch. 40, reported on by Dick Clark; Spanish educational station.
 I know I promised technical information this month for last month's new stations, but time forces me to hold off once again. I'll try to put this first on next month's column.

NETWORK CHANGES

GA Savannah; WSAV-TV is back to NBC. It was ABC from 1982 to 1985, back when ABC was in first place in the ratings.
 IL Chicago; WSNS, ch. 44, will be SIN as of July 1, 1985.

CANADIAN NEWS FROM WALTER PATTON
NEW STATIONS AUTHORIZED

Ont. Belleville; ch. 53; 61.3 kw; to repeat CICA-TV, ch. 19 in Toronto (TV0)
 Ont. Kingston; ch. 38; 62.78 kw; repeat CICA-TV
 Que. Rouyn-Noranda; ch. 38; 1.1 kw; to repeat CBMT, ch. 6 in Montreal (CBC).

CHANGES

Ont. Elliot Lake; CKNC-TV-1, ch. 7, to raise ERP from 12.5 kw to 34 kw.
 Ont. Kearns; CFCL-TV-2, ch. 2, to repeat CFCL-TV (ch.6) instead of CKNC, ch. 9 (Timmins instead of Sudbury)
 Ont. Little Current; CBCE-TV (ch.16) reduce ERP from 59 kw to 23.7 kw.
 Sask Moose Jaw: not deleting CBKT-1 (ch. 4) and CBKFT-10 (ch. 16) as earlier reported.
 Sask Regina: CBKT and CBKFT to remain on their present channels. Funds are presently not available to consolidate these two cities.

QSL CORNER

THOMAS J. YINGLING, JR.
 221 PINWOOD ROAD
 BALTIMORE, MD 21222-2345

FM's QSLs

CT WYBC 94.3 New Haven, Yale Broadcasting Company, 165 Elm Street or Box WYBC Yale Station, zip 06520. 2 separate letters came. One from Gerald D. Etkind, P.D. & the other from David H. Baron, G.M. Cooper
 WJUH 91.3 West Hartford, University of Hartford, zip-06117-0395. Letter from John Ramsey, CE Cooper
 WNOU 98.3 Willamatic, Box 9, zip-06226. Letter, station data sheet, photos of dj's & a free T-Shirt from John Dixon, Operations Manager & DJ. Cooper
 WLYQ 95.9 Norwalk, Box 1350, no zip. Letter from Cliff Mills, Chief Engineer. Cooper
 WIHS 104.9 Middletown, Box 117, zip-06457. Letter from Alfred & Elaine thyberg. Cooper
 WEBE 107.7 Westport. 50 Washington Street, zip-06854. Letter from Conrad Trautmann, CE He says they are directional & have a null towards Long Island, "protecting" WBAB-102.3 & WSBW-AM 1240khz. (Multiple ownership in the same service make the directional here a must) Cooper
 FL WJYO 107.7 Orlando, 2001 North Mercy Drive, zip-32808. Letter & biz card from Dennis Lee Sloatman, CE. This verie took seven months! (no f/up send) Cooper
 WELE 105.9 South Dayton, 687 Beville Rd., Suite B, Box 4789, zip-32021. Letter from Dave Nelson, Music Director. Cooper
 WPIO 89.3 Titusville % Florida Public Radio, no zip. Form letter from Randy Henry, President & Dan Verdino, a WPIO fan, plus a hand-written slip of paper verifying my reception by Randy Henry. Cooper
 MA WSNE 93.3 Taunton, % 100 Boyd Ave, East Providence, RI zip-0291. No mention of Taunton on letterhead. Do I count this as MA or RI? Letter from William Parks. Cooper
 WSSH 99.5 Lowell, 4 Broadway, Lowell MA zip-01853 or 46 Amesbury Street, Lawrence, MA zip-01840. Letter from Chip Behal, CE. Also send bumper-sticker. Cooper
 ME WHYR 95.9 Saco, Box 567, zip-04072. Handwritten letter from Bart Gail, GM. Also send bumper-stickers. Cooper
 MI WLLZ 98.7 Detroit, % 31555 14-Mile Rd, Farmington Hills, MI zip-48018. A handwritten letter from Mark Lantz, Dir. of Eng. Cooper
 WUGN 99.7 Midland, Box 366, no zip. Letter from Jerry Frost, Corp. Eng. & an accompanying letter from Rev. Larry B. Kirkpatrick. Cooper
 NH WXXZ 96.7 Rochester, Rochester Hill Roas, zip-03867. Letter from Thomas E. Larson, Jr. Promotions Dir. Cooper
 NJ WVRM 89.3 Hazlet, Airport Plaza, zip-07730. Verie letter stating that they were definitely running 10 WATTS. Signer was Maria Liadis, Mgr. Also send coverage-map showing coverage from Long Branch to Woodbridge. Cooper
 WRDR 104.9 Egg Harbor City, Box 295, zip-08215. Letter from Jim Rodio, plus a large paquet (?) of station data & coverage-map. Cooper
 NS CIOO 100.1 Halifax, 2885 Robie Street, zip-B3J 2Z4. Letter from Walter S. Labucki, CE for CIOO-FM & CJCH-AM 920khz. send coverage-map & rate card Cooper
 NY WRVW 93.5 Hudson, zip-12534. (no address on letterhead other than this). Signer was William I. Rose, GM who send verif letter & rcoverage-map & rate card. Cooper
 WSCB 93.5 Corinth, 809-A Palmer Ave., zip-12822. Letter from Carl M. Skoll, Asst. Tech. Cooper

.....
 This month only report of FM QSL's is Ernest R. Cooper. I'm very low on QSL items to type up so please somebody send in a report real soon or else this column will not be every month! No kidding! Send in address above in same way as I type items up. Remember if you send in your original QSL Card of Letter I can copy it at work for printing in column & I will mail your QSL back to you free of charge!! 73's till then, Tom Yingling

(504) 340-4294 (504) 347-0738

A cartoon illustration of a crowd of people gathered outside a building. The building has signs for 'TV', 'FM', 'Dx', and 'RDS'. A sign in the foreground reads 'NEW ORLEANS'. The crowd is diverse in age and appearance, and they are all looking towards the building. The style is a simple line drawing with some shading.

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ANTENNA NEWS

Doug Dornbos
3009 Port Sheldon
Hudsonville, MI 49426

Antenna News

page 2

June 1984

Member's input (cont)

Dear Fellow DX'er:

June 1985

The fallability of the printed page was again brought home to me this month due to 2 things. First, new club member John Lapp was so kind as to send me a reprint from the *Boston Phoenix* on indoor fm antennas. When all was said and done, they rated a unit called the Parsec the best of the bunch. What this antenna really is is a simple whip enclosed in space age plastic with an amplifier housed in the same. Not what one would call a real dx machine with very weak directivity and total gain being a function of the preamp and not of the antenna. I know that these editors get paid decent wage for their labor so I just can't see how they can sleep at night writing reviews this weak. Even though I disagree with the content, my thanks goes out to Mr. Lapp for his timely input. Thanks.

The second bit of disagreeable print I witnessed this month came about by lining up all the *Consumer Reports* reviews of outdoor fm antennas for the last several years side by side and comparing results. My personal feeling is that the *Consumer's Union* is one of the slickest scams ever conceived by American ingenuity. In February of 1969, the Channel Master SP6 (Stereo Probe 6) was rated #1 just above the Finco FM4G and quite ways above its' big brother the SP9. By July of 1973, CU had changed their mind and rated the SP9 as #1 with both the SP6 and the Finco FM4G lower overall. In February of 1981, CU's testing "engineers" decided the SP9 could be top of the heap, king of the hill, lord of the jungle, etc, etc, in a performance category all its' own with the SP6 and the FM4G sliding all the way down th the last acceptable catagory. Truth? Justice? It's the American way! If only the *National Enquirer* would carry antenna reviews...

This all brings me to this point: What is said in this column, although often stated as fact, is in no way to be construed as the last word on whatever it is that we are talking about. I have said before that what is written here is to be taken as a starting point for your mental process, stimuli for the creative outpouring that flows from the miracle inside your head. Please view it as such and get back to me with any new discoveries you may make or with any roadblocks you feel we can help clear out of the way. Thank-you.

MEMBER'S INPUT

Nate Ely writes with good reports on getting manufacturers to send catalogs to him. He mentions too that South River is getting out of the antenna mounting hardware business and is now selling off their remaining inventory. Nate mentions that their 15' tripod and complete 16 gage 20' push-up mast are unique items which may be impossible to get elsewhere. Thanks Nate. Rich Wertman writes with experience in trapping locals and properly recommends trapping before the preamp as this reduces chance of preamp overload. Rich also points out 2 other manufacturers of traps and filters.

Pico Products Inc., 1001 Vine St., Liverpool, NY 13088 and Intercept Corp., 220 Entin Rd., Clifton, NJ 07014. Thanks to Rich. Thanks too to John Combs for the postcard. John is fighting some local channel 4 overload but hopes their move to a new tower will help him out. John, how did you get the station to do that for you?

I know that Tim McVey was tongue-in-cheek in his May column but Magnum, known for their Sleuth preamp, has a new tuner out built on the chassis mentioned in this column in last summer's CES report. This may be Tim's DX-85 in the flesh. Look forward to some good reviews as this little honey has signal strength, center-tune, AND multipath meters on its' face, defeatable AFC, digital read-out, and 30db adjacent channel reject!

What happened to Finco? I was fortunate to talk to Russ Miller, engineer for the Antennacraft Co. this past week and asked him about the "new" parabolic whf antennas his company has out. They are indeed the former Finco P-5 and P-7 as Antennacraft has purchased most of the patents held by Finney along with much of their manufacturing apparatus. It is interesting to note that much of the Radio Shack antenna line is built by Antennacraft. I would venture to say that Tandy owns them outright. I

know that Tandy bought out RCA's antenna plant in NC and that it is now called TDP for Tandy Distributor Program. TDP and Antennacraft share many products between each other such as the "saucer" antenna. Antennacraft and Winegard also share many items such as distribution amps. Winegard and Gemini share many products such as indoor antennas and rotors. It makes you wonder who's building what for who! Enough rambling on my part.

OUTDOOR FM ANTENNA SYSTEMS

When talking about dx oriented fm antennas, I think we can spend most of our time on the directional types and little on the omni types. I would like to say that the omni types can be used as two separate antennas with two downleads and a switch to provide some directionality. Most antennas in this catagory are roughly equivalent.

As far as homemade antennas go, there are some construction articles around which can be found by scanning the articles listings which have appeared in this column over the past months. Of worthy mention though is the double parallelogram longwire antenna discussed in the January 1982 *Audio* magazine. This antenna is close to 100' long and 50' wide so is definately non-rotatable but for 27db of gain you have to make some concessions. If you've got some land it may be worth a try.

No matter what kind of antenna you use, it is my belief that a fm bandpass filter can turn a basket-case situation into a dx'er's delight. Bandpassing the fm band before the tuner's front end (input) helps out your dx machine in ways you never dreamed of! If you can't afford or don't want the loss that a filter imposes in the system, high-pass filtering will do a fantastic job while keeping the fm loss to a minimum. Most hard interference comes from below the band anyway. Below is a chart showing performance of 3 very different products plus the catalog specs of a fourth. These were picked because of their good representation of what is available for the money and because I feel they are about the best values in their respective price catagories. (Budgets anyone?) Channels 3, 8, and 13 were used for reference because it's all I had to work with.

Channel	RMS	ESP	Winegard	MFC
	CA1040	FMHPCX	CPF-FM	3486FM
	\$7.85	\$16.75	\$	\$180.00
3	16dB	23dB	36dB	40dB min.
FM	6dB	½dB	5dB	1½dB typical
8	29dB	½dB	44dB	40dB min.
13	32dB	½dB	+50dB	40dB min.

The RMS Band Separator with terminator is the lossiest of the 3 but not bad considering the Winegard only beats it by 1 dB but is several times the price. The ESP high-pass shows almost no loss and very nice attenuation below fm. At its' price, it is a bargain. The Winegard is made up of 4 separate parts; a CP-0100 base, a CPF-FM filter, a F-59 terminator, and an AP-0 pad. This unit has the option of attenuating the entire fm band by any desired amount just by putting in different values of pads. The last unit I show is the MFC 3486FM which I did not test. I include it to show what can be obtained for a couple extra dollars. I have the RMS, ESP, and Winegard units which I will sell for 20% off price shown if anyone wants them. The Winegard unit has with it 3,12,14,17, and 20dB attenuation pads.

Getting on to antennas note the chart on the next page. I have attempted to show available specs on most of the popular antennas on the market today. To keep things simple, I have left off the omni-directional stuff.

FM Antennas (cont)

Brand	Model	Gain	F:B	Beamwidth	Price	Notes
Antennacraft	GFM6	5dB	19dB	72°	\$27	
Antennacraft	GFM10	9dB	16dB	64°	\$47	
CADCO	FMSSL75	12dB	30dB	30db F:Side	N/A	Log-periodic
Channel Master	4408	10dB	16dB	47°	\$79	
Channel Master	4409	N/A	N/A	N/A	\$60	
Cushcraft/ Blonder Tongue	YFM5	9½dB	23dB	63°	N/A	
Cushcraft/B-T	YFM10	12dB	26dB	48°	N/A	
Jerrold	QFM9	7dB	20dB	N/A	\$67	
Jerrold	J55FM	6½dB	18dB	N/A	\$134	
Radio Shack	151638A	5½dB	17dB	60°	\$30	
SITCO	CA8FM	14db	22dB	32°	\$268	Solid elements Yagi
SITCO	MA5FM	11dB	17dB	35°	\$214	" "
Winegard	CH6060	8dB	17dB	66°	N/A	
Winegard	CH6065	10dB	20dB	53°	\$93	

Take a look at the chart above and notice how sometimes cost and performance don't seem to coincide. That's partly due to 300 foot high service calls being very expensive and when your antenna is that high on your tower, durability becomes more important than gain. Next month I will tell you my favorites from the list above. Also we will discuss stacking and how it affects pick-up pattern. Preamplifiers will be the last item discussed and then we will price out a few systems for the heck of it just to see what we're up against.

Below is a little chart on world TV standards that I found recently in the E-V Game VCR Belt cross reference. Although it does not fit into the antenna heading very well, I thought it might interest somebody.

A GUIDE TO WORLD TELEVISION STANDARDS

PAL	SECAM	NTSC
Afghanistan	Ireland	South Africa
Algeria	Italy	South W. Africa
Argentina*	Jordan	Spain
Austria	Kenya	Sudan
Australia	Kuwait	Sweden
Bahrain	Libya	Switzerland
Bangladesh	Malaysia	Tanzania
Belgium	Netherlands	Thailand
Brazil (M)	New Guinea	Turkey
Brunei	New Zealand	Uganda
China	Nigeria	United Kingdom
Denmark	Norway	United Arab
Fiji	Pakistan	Emirates
Finland	Portugal	Venezuela*
Ghana	Qatar	W. Germany
Hong Kong	Sierra Leone	Yugoslavia
Indonesia	Singapore	Zambia
		*Non-standard PAL
		Albania
		Bulgaria
		Columbia
		Congo
		Czechoslovakia
		Djibouti
		Egypt
		N. Korea
		France
		New Caledonia
		Poland
		Roumania
		Saudi Arabia
		Senegal
		Tahiti
		Togo
		Tunisia
		USSR
		Zaire
		Antigua
		Antilles
		Aruba
		Bahamas
		Bermuda
		Bolivia
		Burma
		Canada
		Chile
		Costa Rica
		Cuba
		Curacao
		Dominican
		Republic
		Ecuador
		El Salvador
		Greenland
		Guam
		Guatemala
		Japan
		Mexico
		Nicaragua
		Panama
		Peru
		Philippines
		Puerto Rico
		Samoa
		South Korea
		St. Kitts
		Surinam
		Taiwan
		Trinidad and
		Tobago
		USA
		Venezuela
		Virgin Islands

NORTHERN FM-DX

Saul Chernos
79 Ridge Drive
Toronto Ontario
Canada M4T1B6

JUNE 1985

The skip season might be over by the time you read this!

SCOTT HOOD - Dean Jr. College - Box 971 - Franklin MA 02038 ELT

EQUIPMENT: Sears AM/FM SR-2100 series "Boom Box" has good frequency width but poor sensitivity (strong filter perhaps?). Sears AM/FM/PSB/TV (VHF Audio) has, on the other hand strong sensitivity (too strong, as there tends to be severe multi-path ghosting; either the filter is kaputz or the antenna holder being broken is causing this); This rcvr has poor frequency width as well (strong AFC?).

DX from Beverly MA:

MAY 1984

14 Es

1930 WKZwt 93.3 IL Peoria

875

15 Es

1930 WKZwt 93.3 IL Peoria

875

24 Es (1000 time opening started)

1000 WJTOT 107.7 FL Mt Dora

1025

WBJWT 105.1 FL Orlando

1025

WSHE 103.5 FL FtLauderdale

1150

WDIZ 100.3 FL Orlando

1025

WZNE 97.9 FL Clearwater

1100

WRMP 97.9 FL Palm Bch

1100

WJIA 97.3 FL Miami

1175

WNGG 95.7 FL Clearwater

1100

WYNN 94.9 FL Miami

1175

WVFM 94.1 FL Lakeland

1075

WFLA 93.3 FL Tampa

1100

25 Tr

2300 WUSL 98.9 PA Philadelphia

275

JULY 1984

16 Es

1000 WFFJ CA Manchester (93.3)

900

24 Tr

0900 WPDH 101.5 Poughkeepsie NY

160

AUG 1984

6 Es

1430 WKYQt 93.3 KY Paducah

900

DX From Franklin MA:

SEP 1984

9 Tr

2300 CBAFT 102.3 NB StJohn

325

2300 CBZt 101.5 NB StJohn

325

23 Tr

0100 WRDU 106.1 NC Wilson

550

NOV 1984

4 Tr

1910 C... 100.1 French unID

This is my "World Premiere" report; as you can see (Scott sent in loggings from 1980-1983 which I omitted

for reasons I'll explain later) I've only been seriously into FM DX since May/84. In fact it was around Easter when I drove to New Port Richey FL (near Tampa) that I found both Tr & Es & before I'd left the area, I had visited much of the Southern U.S. without leaving the yard: TX LA AL MS GA (WAD Bainbridge quite regular). The Tropo is more potent here in Franklin when it gets cooking than in Beverly (WPRZ 100.1 3000w Manahawdin NJ 200 mi. has come in more than once).

Finally, the ECPers DX medium wave, Shers DX short wave, so why don't we become DWLers and incorporate the VHF-UHF region as Direct wave (line of sight)? 73s, Scott.

(Neat point; You asked re the difference between Tropo and Auroral DX. If it is severely muddled, and while perhaps loud, incomprehensible, it is likely Auroral. If it is clear and unmuddled, I'd suspect Tropo. With Aur. DX there is what is called "hash" on the bands which is basically a lot of noise on most frequencies. To get Aur. you aim antenna if possible due north, and not towards the stations you are getting. I suspect you had Tr because you are new to FM and Au is hard for a newcomer to get. I didn't even understand what all those noises I heard were during my first few years. I omitted some early DX as you were uncertain about dates, modes, and because it was old. Also GW means GROUNDWAVE. That is tropo that is too close to call tropo, ie locals and semi-local stations, ones that are reasonably regular or ever-present in reception. Welcome to NORTHERN, Scott. -saul) (Also am holding your bandscan for a future bandscan "special"...one issue's NORTHERN will be devoted to this, probably Nov or Dec or a slow month. I'll announce soon-ed)

ROGER WINSOR - 311 W. Springfield #4 - Champaign IL 61820

I moved to IL 2 years ago from Hobart IN. Locally WFTT 90.1 is still hoping to get power boost to 10Kw hv 300', which will be a drastic improvement; now their tower is 135' on the side of a building. I'm an airshifter so am happy to see stn grow (Ed, what's an airshifter?). WLRW, WDWS, WKIO, WPGU are all NBP

Today Mar 8 1985 Tropo ducting to Chicago, StLouis, Northern IL: WEKZ o/KSD with b "Easy \$ter 97" at 0920. WQQ 92.5 easy w/MAC since power boost. WPKX 104.9 Paxton "Stereo 105" now on, has oldies mellow rock. This is a big oldies town, with WJTX 1580 oldies too. Re CP at 91.9 Joliet IL, nothing not d yet. An amazing grant with WSSR just 80 miles SW. No Es in 1984 except the tail end of Dec 14 Es while driving north, KWTT 91.7 TX Dallas hrd at 1700. I've no phone, but would appreciate hearing from anyone by mail. Total still at 899. (Ed, yes I DX AM though only rarely, too many // Larry Kings, heh!)

TRIVIA-TIME: DID YOU KNOW THAT THERE WAS AN ATTEMPT TO USE A BUG IN WASHINGTON IN 1972, AND THAT THE BUG WAS JUST ABOVE THE FM BAND AT 110 MHz. HAD IT BEEN SUCCESSFUL A DXer COULD HAVE HEARD IN ON PART OF THE WATERGATE AFFAIR! (Info courtesy Harry Helms, How To Tune the Secret Shortwave Spectrum, Tab Books, 1991.



DONALD L. BLEVINS
1657 ESSEX TOWNE CIRCLE
BALTIMORE, MD 21221-2644

VHF UTILITY DX....This month's feature will be of DX on these bands and the loggings from Bill Nollman and Pat Dyer, my new regular contributors. I want to stress that no contribution is too large or too small, keeping in mind that if you send me 50 pages of DX I will have to spread that material over several issues. I would appreciate if at all possible that you include as many details as possible.

Thanks to Tom Yingling, of QSL Corner fame, I have access to a microfiche reader and some microfiche, so if you can provide some details of reception, then in many cases I can fill in the blanks. Of particular interest are skip reception and tropo, as this is a DX club. If your loggings are of a more local nature, I am still interested, as DX to some might be long haul reception, and to others who circumstances might limit reception range shorter range reception is DX.

I would like to know if there are any particular field that the membership would like to cover such as cabs, trucking outfits or oil companies. I will be happy to research these types of fields. Now on to the DX.....

Pat Dyer
5315 Silvertip Drive
San Antonio TX 78228
Bearcat 210 XL 11 meter GP at 14 feet 50mhz; Icom IC-5510 Janel PB-50 preamplifier 5 element yagi at 23 feet

85-04-01 1437	38.6	Peru	
85-04-02 1349	35.28	Argentina	Medical Pager
85-04-03 1546 WA4777	50.1	Alabama	Amateur Radio Operator
85-04-03 1554 WA2QD	50.1+	Florida	Amateur Radio Operator
85-04-03 1604 HC2FG	50.099	Guayaquil Ecuador	Amateur Radio Operator
85-04-04 1407	35.28	Argentina	Medical Pager
85-04-05 1310	37.62	Argentina	Medical Pager
85-04-07 1455	32.96	Argentina	Medical Pager
85-04-09 1251	38.6	Peru	
85-04-11 1318 38.6		Peru	
85-04-12 1610	37.62	Argentina	Medical Pager
85-04-13 1655	32.68	Argentina	Medical Pager
85-04-14 2057 KAA 270	42.06	Poplar Bluff MO	Missouri Highway Patrol
85-04-15	31.35	Argentina	Medical Pager
85-04-16 1443	32.96	Argentina	Medical Pager
85-04-17 1355	35.28	Argentina	Medical Pager
85-04-19 1420	35.38	Argentina	Medical Pager
85-04-21 2017	35.38	San Diego CA	Mobile Telephone
85-04-23 1516	35.28	Argentina	Medical Pager
85-04-24 1513	35.38	San Diego CA	Mobile Phone
85-04-24 1647	35.28	Argentina	Medical Pager
85-04-25 1300	35.28	Argentina	Medical Pager
85-04-26 1116	32.96	Argentina	Medical Pager
85-04-30 1123	35.28	Argentina	Medical Pager

85-04-12-1848	KUN 618	154.415	?	?
85-04-12-1905	WRW 321	46.04	Killingsworth CT	Valley Shore Emergency
85-04-12-1911	KBO 581	46.42	South Kingston RI	South Kingston Fire Dep
85-04-12-1933	WA1YQE	147.225	Millford CT	Amateur Radio Repeater
85-04-12-1947	KNOK 560	47.66	Prospect CT	Campion Ambulance + Oxy
85-04-13-1015	KCA 738	154.77	East Providence R	East Providence Police
85-04-13-2044	KCB 702	39.92	North Haven CT	North Haven Police
85-04-13-2057	KCH 207	46.52	Farmington CT	Town of Farmington
85-04-13-2045	(un-id m	155.685	near East Farming	New York State Police
85-04-13-2106	(un-id m	155.28	Long Island's Rou	
85-04-13-2115	KEE 895	46.46	Blue Point NY	Blue Point Fire Protect
85-04-13-2125	KED 236	46.46	Patchogue NY	Patchogue Fire Departme
85-04-13-2146	KNAM 555	45.50	Cromwell CT	Cromwell Police
85-04-13-2126	KWI 721	155.385	Newport RI	Newport Hospital
85-04-13-2128	KCD 292	46.06	Newport RI	Newport Fire Department
85-04-13-2134	(UNID MO	153.56	Long Island	New York Power Authorit
85-04-13-2143	KWQ 544	156.21	Hopkinton RI	Hopkinton Police Depart
85-04-14-2019	KNBN 621	33.70	Woodbury CT	Woodbury Fire Departmen
85-04-14-2020	KXQ 956	46.42	Charleston RI	Charleston Fire Departm
85-04-19-1558	KJC 479	153.41	Montville CT	Connecticut Natural Ga
85-04-19-1636	KFC 583	150.92	Waterbury CT	Connecticut Motor Club
85-04-19-1710	KCE 721	33.70	Litchfield CT	Litchfield Fire Departm
85-05-03-1817	KCD 346	33.88	Tolland CT	Tolland County Mutual A
85-05-03-1914	KFD 502	46.36	La Grange NY	La Grange Fire District
85-05-03-1935	KLI 377	46.38	Exeter RI	Exeter VFD #2

Donald L. Blevins
1657 Essex Towne Circle
Baltimore MD 21221
Bearcat 210 screw in whip

Bill Nollman
8 Autumn Way
Norwich CT
Regency HX 1000 CM Monitenn at 25 feet

VHF UTILITY DX LOGGINGS REPORT

DATE	TIME	CALL	FREQ.	AGENCY	CITY	ST
85-05-04	2318	KGE351	155.25	DOVER POLICE	DOVER	DE
85-05-04	2319	KIW334	154.37	PRINCE WILLIAM	MANASSAS	VA
85-05-04	>	>	>	COUNTY FIRE	>	>
85-05-04	2320	KVP480	154.43	CAMDEN COUNTY COMM	LINDENWOLD	NJ
85-05-04	2320	KGB476	154.235	PHILADELPHIA FIRE	PHILADELPHIA	PA
85-05-04	2320	KTO396	154.785	CHESTER COUNTY COMM	WEST CHESTER	PA
85-05-04	2320	KKC815	155.07	BERKS COUNTY COMM	READING	PA
85-05-04	2321	KTE505	155.625	YORK COUNTY COMM	YORK	PA
85-05-04	2324	KCI570	155.43	BUCKS COUNTY COMM	DOYLESTOWN	PA
85-05-04	2325	KGC220	154.415	BALTIMORE FIRE	BALTIMORE	MD
85-05-05	0024	KGA821	155.31	DOVER POLICE	DOVER	DE
85-05-05	0024	KEA702	155.55	BRIDGETON POLICE	BRIDGETON	NJ
85-05-05	0026	KFF284	155.13	HYATTSVILLE POLICE	HYATTSVILLE	MD
85-05-05	0027	KLK628	158.78	MANTUA POLICE	MANTUA	NJ
85-05-05	0036	KIK552	155.70	VIENNA POLICE	VIENNA	VA
85-05-05	0037	KGC334	154.16	MONTGOMERY CTY FD	ROCKVILLE	MD
85-05-05	1007	KGC220	154.31	BALTIMORE FIRE	BALTIMORE	MD
85-05-05	0038	KGB464	154.95	EASTON POLICE	EASTON	MD
85-05-05	0041	KLE764	155.715	TOWSON ST CMPS PD	TOWSON	MD
85-05-05	0043	KGB476	170.15	PHILADELPHIA FIRE	PHILADELPHIA	PA
85-05-05	0044	KGC220	154.37	BALTIMORE FIRE	BALTIMORE	MD
85-05-05	0044	KWJ445	155.16	CHURCH HOME HOSP	BALTIMORE	MD
85-05-05	0046	KXH326	155.67	PENN STATE POLICE	PHILADELPHIA	PA
85-05-05	0049	>	162.55	NOAA	LEWES	DE
85-05-05	0050	KIH28	162.475	NOAA	PHILADELPHIA	PA
85-05-05	0052	KXM891	155.67	PENN STATE POLICE	YORK	PA
85-05-05	0053	WZX459	154.28	MONTGOMERY CTY FD	ROCKVILLE	MD
85-05-05	0054	KIF337	154.28	FAIRFAX COUNTY FIRE	FAIRFAX	VA
85-05-05	0057	KEB678	155.58	MILLVILLE POLICE	MILLVILLE	NJ
85-05-05	0058	KEA790	156.21	SALEM POLICE	SALEM	NJ
85-05-05	1007	KGP634	154.055	MARYLAND PORT AUTH	BALTIMORE	MD
85-05-05	1007	KGC220	154.145	BALTIMORE FIRE	BALTIMORE	MD
85-05-06	1009	KYU411	155.115	HOWARD COUNTY PD	JONESTOWN	MD
85-05-06	1120	>	152.27	SILVER SPRING CAB	SILVER SPRING	MD
85-05-06	1120	>	152.27	ROYAL CAB	BALTIMORE	MD
85-05-06	1121	>	152.71	C+P TELEPHONE	BALTIMORE	MD
85-05-06	1122	>	153.44	BG+E	BALTIMORE	MD
85-05-06	1143	>	152.30	COUNTY CAB CO	CATONSVILLE	MD

WESTERN TV-DX

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

Deadline: 6-29-85

June 1985

DX highlight this month has to be a super tropo opening observed by Pat Dyer on April 4th bringing signals across the Gulf of Mexico to Texas from Georgia, Florida, Alabama, etc. Nice going, Pat, I'd love to stay up all night for an event like that!

PLEASE NOTE THE EARLY DEADLINE FOR THE AUGUST COLUMN. I am forced to do this in order to be able to take advantage of the long fourth of July weekend.

New _____ New Mode _____ Tent. - t Unidentified - unid S/On - + S/Off - =
ID Color Bars - @ - Unid Color Bars - % IHTP - \$ Misc. Test Patterns - &

Pat Dyer, 5315 Silvertip Drive, San Antonio, TX 78228 (WASIYX)

CST

Equipment: 1980 model Penncrest 9" black and white, Archer V-100 and eight bay bow tie UHF array at 20 feet with rotor.

<u>April 1985</u>				4 tr		0500	KNOE	8 LA	440	14 Es	2102	unid channel 3			
3 tr	0123	KLFY	10 LA	395		0508	KLFY	10 LA	395		2108	WSB	2 GA	880	
	0129	WAFB	9 LA	450		0517	WTSG	31 GA	870		2124	WBAYt	2 WI		
	0218	KADN	15 LA	395		0518	WAMS	30 FL	1015		2202	WBBM	2 IL	1045	
	0523	KPLC	7 LA	325		0519	KVHP	29 LA	325		2220	fade-outs			
	2210	KLTLt	18 LA			0520	WKAB	32 AL	750	16 tr	2240	X---t	28 NL		
		KLPBt	24 LA			0521	WTWC	40 FL	855			XHABt	7 TA		
		WGNt	26 LA			0530	WJCL	22 GA	1050	17 tr	2033	WAPTt	16 MS		
		WLAet	32 LA			0531	WBBt	33 FL			2207	KLPBt	24 LA		
	2214	WRBt	33 LA			0534	WLBt	30 MS			2217	WGNt	26 LA		
		WNOL	38 LA	510		0535						KPLC	7 LA	325	
2215		WPANT	53 FL			0538	WXTX	54 GA	830		2224	KALBt	5 LA		
		WAPTt	16 MS			0542	WPMI	15 AL	630		2229	WLPB	27 LA	450	
		KALBt	5 LA			0545	WJYEt	55 FL			2232	KVHPT	29 LA		
	2244	WMAOt	23 MS			0552	WITO	21 AL	745		2259	KADN	15 LA	395	
	2248	WMAAt	29 MS			0600	WRBt	33 LA	450		2301	WRBt	33 LA	450	
	2254	KADN	15 LA	395		0605	WDHnt	18 AL			2309	WMAHt	19 MS		
	2258	WMAU	17 MS	470		0609	WFIQ	36 AL				WMAUt	17 MS		
		WMAH	19 MS	570		0614	KLTL	18 LA	325		2312	WNOL	38 LA	510	
	2306	KVHP	29 LA	325			WDBB	17 AL	700		2330	????	24 LA		
	4 tr	0024	WAFB	9 LA	450		0615	WMAW	14 MS	620	18 tr	0023	KLAXt	31 LA	385
	0041	WXVT?	15 MS?				WMAU	17 MS	470		0052	WAFB	9 LA	450	
	0059	KARD	14 LA	430			WMAH	19 MS	570		0109	WBRZ	2 LA	450	
	0140	WJTV	12 MS	525		0616	KLPA	25 LA	385		0138	KLFY	10 LA	395	
		WTVTt	13 FL				WLPB	27 LA	450		0155	KFDM	6 TX	275	
	0210	WLTV	12 FL	1015		0618	WPANT	53 FL			0239	KARD	14 LA	430	
	0212	WVUE	8 LA	510		0619	WMAA	29 MS	525		0242	KTRE	9 TX	265	
	0232	WNFTt	47 FL			0621	KLPB	24 LA	395		0450	KTAL	6 LA	350	
	0254	WLZt	38 GA			0629	WJTC	44 FL	685		0717	WAPTt	16 MS		
	0259	WBMG	42 AL	750		0633	WNITZ	48 MS				KLTLt	18 LA		
	0305	WQACT	35 FL			0634	WJSP	28 GA	850			KLPBt	24 LA		
	0348	WTOG	44 FL	985		0636	WBSpt	51 FL			0722	KVHPT	29 LA		
	0358	WGNt	26 LA	510		0640	KLMG	51 TX	310		0728	KLAXt	31 LA		
	0403	WNOL	38 LA	510		0700	WDBD	40 MS	525			WLAet	32 LA		
	0404	WBBH	20 FL	1040		0726	WAPT	16 MS	525		0729	KLMG	51 TX	310	
	0423	KATC	3 LA	395		0758	WTSG	31 still in			1809	KMIDt	2 TX	275	
	0432	KSLA	12 LA	350		5 tr	0616	KLTL	18 LA	325		1810	KOSA	7 TX	275
	0433	WBRZ	2 LA	450				KLPBt	24 LA		20 ms	1156	WMAB	2 MS	615
		KALBt	5 LA				0629	KPLC	7 LA	325	21 Es	2110-2215	unids 2, 3 w		
	0437	WJWS	17 FL	1015			0632	KVHPT	29 LA				KCBSt	2 CA	1190
	0450	WQJB	20 FL	975		11 Es	1805-1810	unid ch 2 s			30 Es	2207-17	KDKA	2 PA	1280
	0459	WOOV	20 AL	750		14 Es	2059	WTWO	2 IN	935					(Very spotty)

A rather ominous lack of E skip so far. Tropo on April 4 was perhaps the best of it's nature here in 10 years! (But that long ago there weren't as many U's on). Eight new loggings in under five hours (seven U's in less than two hours). Just as many UNID's that would have been new. Very hectic with stations coming on so fast in the 0500-0700

Western TV DX

June 1985

Pat Dyer (continued) period that UNID color bars noted on a given sweep would already be programming by the next sweep a few minutes later. At peak, seemed to be three or more deep on each channel 14-40 plus.

Local channel 5 has now dropped it's all-night weekend movies so that channel is vacant in the wee hours of Saturday and Sunday, but local channel 12 is now carrying all-night rock videos ("Odyssey") all days but early Sunday. They did find a use for their stereo capability after all.

William Draeb, Ellis St., Rt. #2, Kewaunee, WI 54216

CST

Equipment: 7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis with B-T AB-3 (tube type) preamp @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-4026 (lo-band) and Winegard SC713 (hi-band) yagis. Hi-band uses AB-300 preamp. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower), and Panasonic 9" b&w portable.

Generally not much DX seen lately. Here are the highlights:

February 1985		March 1985	
5 Es	at 1738, unids channels 2-4 from the south.	8 tr	at 0728, KDNL-30, KNLC-24
8 Es	at 1742, unids channel 2 from the south (very weak).	10 tr	at 1941, WTVQ-36
20 tr	at 1915, KNLC-24, KDNL-30	22 tr	at 0800, W63AH, WOSU-34
25 tr	from 1815 to 2230, KCBJ-17, KCBR-17, KNLC-24, KDNL-30 (o/WVCY), KTSB-27 t, WFMJ-21, WKBN-27, WYTV-33, WNEO-45, WTVQ-36, WKMA-35, WOSU-34, WITE-28	29 tr	from 0715-0830, KNLC-24, KDNL-30, WCET-48, WOSU-34, WITE-28, WSFJ-51, WIII-64, WXIX-19
27 tr	at 1905, KDNL-30, KNLC-24		

E skip should get underway on a regular basis soon, I hope. That's all for now, 73's, Bill

Jeff Kadet, Box 20, Macomb, IL 61455 (309)-833-1809

CST

Equipment: Zenith N1310 color, Channel Master 1110 with CP 3800 preamp, RG-11 at 50', Channel Master 7' dish with PA 4975 preamp, .500 cable at 55'

December 1984		March 1985	
14 Es	1808 KRGV 5 TX 1160	11 tr	2100 WQEC 27 IL 53
	1809 KIII 3 TX 970	29 tr	0100 Detroit-Sarnia U
	1810 KMID 2 TX 890		0102 unid ch54 EE ene
	KGBT 4 TX 1065		(Who could this be???)
	1830 unid ch5 Spanish (Eastlake WVIZ-25)	0640	WQNLN 54 PA 555
	1835 XEFB 2 NL 1115		(ID'ed TP)
26 tr	0455 @WVSB 27 MS 495	0653	WPGH 53 PA 550
	0559 +WOWL 15 AL 425		unid ch 63 PBS e
	0618 WCFT 33 MS 535		(Translator?)
30 tr	0700 CITY 57 ON 610		
	CBFT 61 ON 550		
	Also Detroit and Sarnia U's		
0800	CBFT 25 ON 610		
0817	CICOT 18 ON		
	(0 kHz - WLF1)		
0929	WQLN 54 PA 555		
0939	WJET 24 PA 555		

On December 30, both CBFT and WVIZ were briefly over WEEK-25 (same direction). This gives me some hope of seeing much wanted WUCM-19 someday. By the way, WHOI-19 (x-WRAU) stands for "Heart of Illinois."

The Mississippi and Alabama tropo reception on December 26 was while it was sleeting outside. The opening on March 29 to western Pennsylvania was the most intense ever noted in that direction. Both WQLN-54 and WPGH-53 were briefly snow free. Normally, I would

Jeff Kadet (continued)

have pulled an all nighter, but my sister was visiting. I get depressed thinking of some of the needed sign-ons which were probably missed!

WH3AG on April 17 was my unID "TV-43" from a few months ago. Offset is 0 kHz to WBLN (actually it's more like 5 kHz). Most of the Kentucky ETV U's were snow free that day, but alas, no sign of any Kentucky translators. WLCN-19 has been on the air at least since June 1984. Television News in the May VUD suggests they are only now a new station on the air. They are all night with typical religious fare.

WQEC-27 began regular schedule on March 11, although they were testing in the early AM a few days previously. They give parallel ID's along with WIUM-22 and WJPT-14. WJPT had the nasty habit of keeping their color bar test pattern with no call on all night for about four days a week for a few months, but it has since stopped. KCBR-17 has been keeping their color bar test pattern with ID on all night for at least the past one and a half months.

No E skip seen as of May 3. 73.

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CST/CDT

Equipment: VHF: Broadmoor 9" black & white, Winegard CH-7078; UHF: Magnavox 19" color, Winegard CH-9095, Blonder-Tongue CMA-Uc pre-amp; Alliance rotor.

April 1985	1 tr 0613 K25AA 25 IA 245	6 tr 0600 KSHB 41 MO 550
10 tr 2200 KBY 17 ND 190	(Rock Rapids KSIN-27)	0634 K55DY 55 MN 110
	6 tr 0559 K33AB 33 IA 245	(Crygla KXJB-4)
May 1985	(Sibley KSIN-27)	0635 K57AS 57 MN 110
1 tr 0547 K42AN 42 MN 145	0600 K25AA 25 IA 245	(Crygla WDAZ-8)
(Willmar KITN-29)	(Above two w/KSNT-27!)	

Finally a taste of tropo, but it just is not enough!

ANARC

Steven P. Sprachman
15 Merry Lane
Hicksville, N.Y. 11801

UPDATE

MORE ON REGIONAL CLUBS

Last month I gave a list of some of the regional and local DX clubs. The problem is that most are not members of ANARC. They fail to meet membership requirements due to their small size (most have less than 50 members), and most do not publish a bulletin. A move is under way to find a method to allow these clubs to become members of ANARC. Below is the first letter I sent to Terry Colgan, the Executive Secretary of ANARC, on the subject:

"While the information provided by these clubs may be of a limited nature, it is most useful for those DX'ers in that local area. It is more valuable for me to know that local area DX'ers are getting a particular station, than it is for me to know that West Coast DX'ers are getting the same station. Also, in many instances, logging information needs to be presented in a timely manner. A logging made today will not show up in a national club's bulletin for 2 or 3 months. A local club can provide timeliness for loggings through a "Hot Line", computer "bulletin board" or a locally produced printed bulletin where loggings do not have to be shipped across the country and through several hands before they are published.

Local clubs also help individual DX'ers with problems that are particular to a local area. A local club allows area DX'ers to meet other area DX'ers. It took me years to meet another active local DX'er. Had there been a local club in New York, my search would not have taken so long. And I would have known that there was another DX'er two blocks away.

The inclusion of local clubs into ANARC may help other clubs to start and grow. This would be a positive influence on the whole hobby."

Several members of the executive council proposed a sub-category for regional and local clubs known as an 'Associate Membership'. I thought this was a good idea, that I recently sent this follow-up letter:





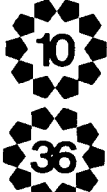



"I think the idea of a separate sub-category for regional clubs is a good idea. I agree with several of the requirements proposed, but others have to be refined. A club must have:

- 1) A minimum number of dues paying members of 25.
- 2) Proof of on-going activities:
 - a) Regularly scheduled meetings (at least 3 per year).
 - b) DX "Hot Line" or a "Bulletin Board"
- and/or c) A regularly published bulletin.
- 3) An active recruitment and publicity program.
- 4) The club must meet these requirements for 1 year, after the application is accepted until formal Associate membership is granted. The club would be responsible for quarterly updates on their activities. The Executive council would vote on the proposed membership at the end of the one year period.
- 5) If a regional club meets the requirements for Full ANARC Membership then this should be offered to them without any time limit that is exclusive to them.
- 6) Provisions must be made when a club fails to meet these requirements once formal membership is granted. A club should be given 1 year to meet the requirements before its membership is revoked.
- 7) Known regional clubs in existence for more than 2 years will have the 1 year probationary period waived, and the membership voted on a time of application. This provision would be in effect at the time that the Associate membership category is first put in effect.

What we are trying to avoid is the many local clubs that start up with a lot of enthusiasm and interest, only to fall apart in a few months because they lacked the necessary things for survival."

This is to give you an idea of one of the issues facing the Executive Council at the present time. A full discussion of the subject will take place at the business meeting at the ANARC Convention in Milwaukee. I'll have more on this and on other issues facing ANARC in future Updates. If you have any comments, please let me know.

In a recent Update on ethnic television in New York, one correction must be made. WHNT-68 (and W60AI and WSNL-67) no longer has any programs directed to any ethnic audiences.

 <p>Kaal ABC Television Channel 6 P.O. Box 577/Austin, Minnesota 55912</p>	<p>TV LOGOS FROM RICH EDDIE ST. LOUIS, MO</p>	 <p>WHA-TV Madison Wisconsin 821 University Avenue Madison, Wisconsin 53706 Assistant Technical Director</p>
 <p>KTWU</p> <p>Washburn University 301 N. Wanamaker Rd. Topeka, Kansas 66604 988</p>	 <p>KAIT-TV eight POST OFFICE BOX NO. 790 JONESBORO, ARK. 72401</p> <p>WMVS WMVT 1015 North Sixth Street Milwaukee Wisconsin 53203 Public Television</p> 	 <p>KTVP 1 McClary Plaza Fayetteville, AR 72701</p>  <p>35N WLIO LIMA Lima Communications Corporation, Inc. 1424 Rice Avenue P.O. Box 1689 Lima, Ohio 45802</p>  <p>WBHW CHANNEL 55 TELEVISION SPRINGFIELD ILLINOIS 3440 CLEAR LAKE AVE. 62703</p>

And finally, I hope to do another Update on radio and television in other countries in the near future. Unfortunately, we will not be able to take an international vacation this year. I'd like to hear from anyone who has taken an international vacation this year about their thoughts on radio in those countries. If you are going away this summer, take a radio. You'll like what you hear.

73's and best of DX,

Steve P Sprachman
(and Joyce)

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EASTERN TV-DX

William J. Draeb
Ellis St. R.R.#2
Kewaunee WI 54216

June 1985

Rich Wertman; 315 Pine St., Lockport NY 14094 EST

Deadline: 1st

Equipment used: Finco P-7 with CP-4800 at 65'. CM rotor; fed with 1/2" hardline 12" Zenith b&w; Sony SL-2300 VCR, Panasonic 19" color. Mobile unit: 12" Samsung AC-DC b&w; 8 bay CM bowtie few with RG6U at 20' via crank up mast.

Have had some bad luck since my last report. Both Tropo and Es have took a dive, along with my P-7 Finco. Yesterday, 4/6/85, we received some nice winds being clocked at around 70 mph that just wouldn't give up. They started at 0200 Saturday and finally ended around 1900. I previously removed my Lance VHF antenna, 8 bay bowties, and MDS antenna and HD-73 rotor from 15' tripod in preparation for new tower. I preceded it with moving the P-7 up on the 15' tripod with a 30' Duratube push up mast (only using the bottom 20'). I had it guyed with heavy 7 strand guy wire and turnbuckles etc. Don't let guy line fool you though! The guy line got so much pressure against it that it stretched and snapped the SW corner guy causing the top 10' of mast to go over. Luckily the P-7 wasn't hurt! However, I'm presently without any DXing equipment antennawise on the roof. I'm going nuts, I'll have to get something up on pipe this weekend. I also picked up an AC-DC TV about a week ago. This is neat to have. I drive my pickup to very good DXing locations and raise an 8 bay UHF ant. up 20' above the box on the truck with great results. Some loggings this time were via the mobile DX unit. The old saying goes to prove itself, the only reason some people get more DX is because they live in the right area or elevation! I was at a few spots with the mobile unit that would make you want to get rid of all that \$ equipment at the home QTH and set up a mobile DX unit for 100 bucks and head for the hills! I wanted to puke when I saw how much a little elevation did compared to all this extravagant stuff at home! I think I'll be doing more mobile DXing as the weather warms. Have started digging the hole for tower base, hoping to have it up by May 1st.

March 1985

3 Tr P.M. Erie U's good at 125 mi.

WYTV-33 OH 180

WKBD-50 MI 240

WGGN-52 OH 250

Sandusky

WGPB-62 MI 240

March 1985

3 P.M. W64AK OH 225

W67AL OH "

April 1985

7 Tr 2200 Erie Us

April 1985 (On mobile unit)

7 Tr 2200 E NY U's 16,18,21,

31,34,36,40,50. MI U's 20,

50,56,62. OH U's; fair 27,

33, 43,61.

W.P. Townshend; 4500 Conn. Ave. NW #901, Washington DC 20008 EST

April 1985

19 Tr 0746 WLXI-61 NC 250

0800 WGGT-48 NC 260

22 Tr 0744 WTLL-63 VA

April 1985

22 Tr 0749 WTVZ-33 VA

0751 WYAH-27 VA

0752 WTAH-29 PA

April 1985

22 Tr 0751 WHRO-15 VA

0754 WHP-21 PA

0755 WPHL-17 PA

Corrections: All reports on ch.29 in VA should read WVIR; not WGIV.

Summer was dumped down on us. 93° today after 29° 12 days ago and with summer weather, good tropo conditions. Especially in the early morning and in evening. Too much sun and warm weather is counterproductive; we need rain here very badly. A42 at 105 and pollen count 210(only 7 makes discomfort).

John Combs; 2831 Selma, Jacksonville FL 32206 EST

March 1985

27 Tr 0706 WEBA-14 SC 200

WLO-25 SC 263

WAGT-26 GA(SC) 215

WRJA-27 SC 261

WEBA-14 SC 200

WHNS-21 NC 370

WLO-25 SC 263

WAGT-26 GA(SC) 215

WRJA-27 SC 261

WNTV-29 SC 323

Greenville

March 1985

29 Tr 0606 WNSC-30 SC 316

Rock Hill

WJPM-33 SC 297

WRLK-35 SC 267

WPCQ-36 NC 347

Charlotte

0607 WNEH-38 SC ?

Greenwood

WRET-49 SC 317

Spartanburg

March 1985

29 Tr 0612 WDE-15 SC 313

0615 WIS-10 SC 270

0620 WAXA-40 SC 296

Anderson

(I.D. 3/4 c.b.)

0622 WLTX-19 SC 262

0628 WCCF-57 SC 267

Columbia

(I.D. slide)

Totals: 107 stations logged; 70 UHF; 5 low power xltres; 3 Es; 0 Ms; 8 states; 0 Canadian provinces; 1 Mexican estados; 0 other foreign countries; 9 TPU's.

Eastern TV-DX

Scott Hood: 7 Auburn Rd., Beverly MA 01915-2501

Here is a TV bandscan of Beverly and the North Shore. At the time this is printed, I should be home from college for the summer. As of this time, April 21, Franklin has yet to see the Es season premiere or any serious tropo, for that matter. In other words, DXing has been just plain miserable and AM hasn't been any bargain either! About the most excitement I have found, is a quirk in the local edition (Norwood) of TV Facts. It seems for some reason, TV Facts prefers to list WCEH-6 Portland and ignore WLNE-6 New Bedford! Yet they list WJAH-10, WPRI-12 Providence. And to top it all off, they don't even list WMUR-9 Manchester NH! Figure that one out! Well that's about all I've got to say for now. Like FM, I will hoard all of the loggings I get from now until fall, as I won't have access to an Apple IIe until I get back to school.

WGHI-2 MA	@WCSH-6 ME	@WCBH-10 ME	@WLIW-21 NY	WLVI-56 MA
@WCSB-2 NY	WNEV-7 MA	WENH-11 NH	WMLP-22 MA	WTIC-61 CT
WFSB-3 CT	@WABC-7 NY	@PIX-11 NY	WONE-25 MA	WSTG-64 RI
WBZ-4 MA	WMTW-8 ME(NH)	WPRI-12 RI	WMEG-26 ME	WKSX-66 MA
@WNEC-4 NY	WINH-8 CT	@WMEB-12 ME	WSMW-27 MA	WQTV-68 MA
WCVB-5 MA	WMUR-9 NH	WMBE-13 ME	WSBK-28 MA	@WVHT-68 NJ
@WNEU-5 NY	@WOR-9 NJ(NY)	@WNET-13 NJ(NY)	WGGH-40 MA	@=received, but
WLNE-6 MA(RI)	WJAR-10 RI	WNHT-21 NH	WGBX-44 MA	only as a pairing

Richard Clark; Apartado 273, La Vega, Dominican Republic

It's been 7 years since my last report to the WTFDA. I've been DXing satellite TV since 1978 which has taken me away from Tropo-Es DX. Well, I'm back and here is my first report on the TV-DX in the Caribbean. All DX Tropo.

January-April 1985

ch.3 CBC Barbados	ch.13 WPRV ABC, Ind.; Fajardo, PR
3 YVKS Puerto La Cruz, Venezuela	18 WSJU NBC ; San Juan, PR
5 YVKA Isla Maragonita; VIV canal 8	30 WRWR "off the air"; San Juan, PR
9 HITD Telesistema; El Mogote, DR	34 ---- RTQ; Guadeloupe; 625 lines
11 HIN Rahintel; " "	SECAM
	40 WMTJ Fajardo, PR

Chs. K4, K5, K6 are same standards as Guadeloupe ch.34; Chs. 8, 9, 10 are U.S. standards.

Guadeloupe ch.34, RTQ, is my best TV-DX at 600 miles but quite strange their in between TV channels! They leave their test pattern on all night!! (sounds like a good DX target-wd). I must say it was really great getting them on ch. 34; my first foreign UHF DX.

John Combs; continued--- April 1985

<u>March 1985</u>	4 Tr 0613 WGXA-24 GA 201	22 Tr 0615	similar to 21st.
29 Tr 1828	WJKA-26 NC 335	0614	WLTZ-38 GA 240
	weak; brief		
30 Tr 0545	WYEA-38 GA 240(now WLTZ)	0710	WPGT-41 GA 202
0548	WSOC-9 NC 347	0638	WXTX-54 GA 239
	Charlotte		Columbus
	CNN News	5 Tr 0557	NC & SC U's
0549	WSPA-7 SC 338	7 Tr 0722	WJKA-26 NC 335
	3/4 c.b.	0800	WJPM-33 SC 297
0600	WIS-10 SC 270	0802	WPDE-15 SC 313
0607	WRJA-27 SC 261	10 Tr 0747	WLTZ-38 GA 240
31 Tr 0653	WITV-7 SC 204	0740	WXTX-54 GA 239
	WIS-10 SC 270	18 Tr 0740	WLOL-25 SC 263
0655	WRJA-27 SC 261		WEBA-14 SC 200
	WLOL-25 SC 263		WIS-10 SC 270
	WJPM-33 SC 297		tail end of opening?
0703	WRLK-35 SC 267	19 Tr 0606	SC U's
	WEBA-14 SC 200	21 Tr 0540	SC U's +
			WSOC-9 NC 347
<u>April 1985</u>	0543	WPTF-28 NC 410	
1 Tr 1905		WCCB-18 NC 347	
		Charlotte	
2 Tr 0640	W49AI FL 110	0544	WSPA-7 SC 338
	Inglis-Yankeetown		3/4 c.b.
	LPTV-WOFL-35 xltr	0600	drove to Colum-
3 Tr 0550	SC U's, ETV's +		bia, SC
	WAGT-26 GA(SC)	2345	return; many still in

June 1985

Eastern TV-DX

April 1985

22 Tr 2152	WDXL-39 FL 313
	Miami
2230	WTVX-34 FL 234
	WPCQ-36 NC 347
	WUNJ-39 NC 344
2236	WUNG-58 NC 347
2252	WGSE-43 SC 282
	Myrtle Beach
23 Tr 0255	WCCB-18 NC 347
	WFLX-29 FL 272
	WTBS-17 GA 287
	Atlanta
	(only one from that direction)
0257	WSOC-9 NC 347
	WSPA-7 SC 338
	WCSC-5 SC 204
	Charleston
0300	WHNS-21 NC 370
0640	SC U's still in.
	WJKA-26 NC 335
	WHNS-21 NC 370
	WPCQ-36 NC 347
	WNRW-45 NC ?
	Winston-Salem
	(ex-WJTM-wd)
0726	WUNG-58 NC 347
	WPTF-28 NC 410
	WFLX-22 NC 409
	Durham

Combs; continued---

April 1985

23 Tr 0726	WTVI-42 NC 343
	(round tp)
0759	WLXI-61 NC t
0801	WUNF-33 NC 359
0816	WGGS-16 SC 323
	Greenville
1915	WFLX-29 FL 272
	WXEL-42 FL "
	WTVX-34 FL 234
	WBFS-33 FL 313
	WDXL-39 FL "
	WHFT-45 FL "
	WLTN-23 FL 314
	Miami
	WPLG-10 FL 313
	Miami
1942	WPTV-5 FL 272
	W.Palm Beach
2005	WSEC-17 FL t
2029	W27AE FL 198
	(WTOG xltr)
2152	WPT-2 FL 313
	Miami
2220	WBHH-20 FL 241
	WEBA-14 SC 200
	WEVU-26 FL 277
	WFSP-30 FL 240
	(thru local
	WAWS)
2315	WDE-15 SC 313

June 1985

23 Tr 2315	WJKA-26 NC 335
	WRJA-27 SC 261
	WJPM-33 SC 297
24 Tr 0635	SC 10,15,19,23,
	25,26(GA),33,35
	43,49.
	WBFS-23 FL 313
0625	WJKA-26 NC 335
	WPTF-28 NC 410
	WKFT-40 NC 364
	WGSE-43 SC 282
	WFCT-62 NC 364
0708	WUNJ-39 NC 344
	W29AB FL 77
	(WTOG xltr)
	W49AI FL 110
	(LPTV WOFL-35
	xltr)
	W57AN FL 80
	Ocala(WCJB xltr)
0713	W50AC FL 175
	(SIN xltr)
0829	WBHH-20 FL 241
	WEVU-26 FL 277
	WFSP-30 FL 240
	(thru local
	WAWS-30)

Updated totals: 130 stations; 88 U's; 7 xlters

I'm beginning to think that SC stations have a permanent tropospheric pipe-line to Jacksonville! Slight exaggeration...but from the 19th to the 24th of April there was hardly a time when SC wasn't in. Stations would fade out around 1100 or so only to return about 1800. Lots of NC too. No particularly outstanding loggings, but figure I've logged all but 1 or 2 SC stations now! Es, typically, was non-existent.

Roy Barstow; P.O. Box 488-T, Teaticket MA 02536 EST

Jan. 1985

4 Tr 1200	WVIA-44 PA 270
	WBRE-28 PA "
1900	WNEE-31 VT 170
	WETK-33 VT 240
2000	W51AB MA
	Adams (WNYT-13)
2100	WEKW-52 NH 130
31 Es 1830	WEDU-3 FL 1170

Mar. 1985

26 Tr 2300	WTVZ-33 VA 440
	W41AC(WAVY)380
	W44AD(WTKR) "
	W60AL(WVEC) "
27 Tr 1555	W41G-55 NY
	Riverhead
	(3/4 C.B.)
1600	WHRO-15 VA 440
	WBEC-16 MD 340
	WCPB-28 MD 340
1700	WCPB-28 MD "
	WTVZ-33 VA 440
1830	WMDT-47 MD 340
1900	W59AT NY 170
	W63AJ NY "

Feb. 1985

8 Tr 1600	WCPB-28 MD 340
	WMDT-47 MD "
11 Tr 2200	WVIA-44 PA 270
	WBRE-28 PA "
	WUSV-45 NY 190
	WTHY-54 NY 170
12 Tr 1645	WVJV-66 MA
	Worcester
	"V-66 the pulse goes
	on" I.D. 24 hr prog.
18 Tr 2335	WCPB-28 MD 340
	2345 WBEC-16 MD "
	2350 WGM-40 NJ 285
28 Tr 1700	WBRE-28 PA 270
	WTAF-29 PA 260

April 1985

4 Tr 1600	WBEC-16 MD "
	WCPB-28 MD "
	WYAH-27 VA 450
	WHRO-15 VA 440
1830	WTVZ-33 VA "
	W41AC VA 380
	W44AD VA "
	W60AL VA "
6 Tr 1600	WBEC-16 MD 340
	WCPB-28 MD "
	WYAH-27 VA 450
	WHRO-15 VA 440
1830	WTVZ-33 VA "
	W41AC VA 380
	W44AD VA "
	W60AL VA "

April 1985

4 Tr 1830	W44AD VA 380
	W60AL VA "
6 Tr 1600	WBEC-16 MD 340
	WUSV-45 NY 190
12 Tr 2100	WHRO-15 VA 440
	WBEC-16 MD 340
2200	WMEG-26 ME 130
	WYAH-27 VA 450
	WCPB-28 MD 340
	WTVZ-33 VA 440
2230	W59AT NY 170
	W63AS NY "
	WUNM-19 NC 595
2400	W41AC VA 380
	W44AD VA "
	W60AL VA "
21 Tr 1800	WHRO-15 VA 440
	WCPB-28 MD 340
	WBEC-16 MD "
1900	all NJ U's in.
2000	WNHT-21 NH 125
	WVDS-50 NH 100
	WMEG-26 ME 130
2100	WCPB-10 ME 195
	Unids6,7,12 from N.
	2130 WLVI-39 PA 260
	Unid-70, ABC to W.
	2200 W59AP NY t
	2215 WUNM-19 NC 595
2300	WTKK-66&WBFF-45

This winter not much in the way of DX. Conditions are going up now with WUNM -19 NC seen twice in April. When this gets in print DX should be going full tilt. On April 26 & 27 a big high pressure over SC but a low was in and out in this area with not much DX here. Anyone south of Cape Cod must have picked up something decent.

Glenn Hauser; Box 490756, Ft. Lauderdale FL 33349 EST

I'm glad to be able to report some nice UHF tropo again, but first, the locals: WPBT-2 has stereo on some programs but doesn't push it much; WFTM-93.1 simulcasts are more useful. Rather derivatively, they've been promoting "excellence" as a theme, not long after WIRS-42 became WXEL-42 and would seem to have priority for that idea. WTVJ-4 former anchorman Ralph Rankin is running for governor, undeterred by the failure of a colleague several years ago. WPTV-5 often seems to have inferior audio, e.g., during "Donahue" compared to WPLG-10. WCIX-6 I've never caught off the air yet; I think they switched to a standby transmitter when maintenance is necessary. Since it's in Princeton, south side of Miami, the signal is rather weak here and WCPX c.c.i. is not uncommon (so far nothing on VHF I could attribute to Cuba, which I saw more of in Knoxville--but then I don't have anything beyond rabbit ears for VHF yet). I also get all three of their O&O xlters--W61AA in Fort Lauderdale had some problems with the I.D. wheel sticking on, continuously breaking up the video; it was also off the air for several days before I finally called them, the first to do so. Lately its strength has been greatly reduced so that the more distant W64AA which is actually in Boca Raton, not "north Ft. Lauderdale", comes in best here in Tamarac. I don't mind, as on 61 I have a chance at DX from other directions, w/c.c.i. probably from W61AP (WTOG-44) Okeechobee w/a little tropo. W69AA Hollywoods weak but constant. WCIX says these are very old units, difficult to keep operating properly due to spare parts problems, and since they are going to lose at least two of them to new IPTV or high-power stations, they're not eager to invest much in them. Possibly they will replace with one or two newer higher powered xlters on other channels. I can't seem to get away from WSWN--most of my time in Knoxville it was a semi-local in Norton VA on ch.47 (though hardly anybody in Knoxville knew about it or watched it), but the call was sold to Miami's ch.7 while Norton settled for WSEN. WPLG-10 seems to be more subject to c.c.i. from WTSP, Tampa, than the other Miami V's are from their next station north. Plauidits to WPLG for airing CBS News Sunday Morning which no other Miami station will touch. WPEC-12 is bothered in my neighborhood by the second harmonic of the local 102.1 FM station. Also, logged at various times with limited tropo are WEDU-3, WXFL-8, WFTV-9, WINK-11, WTVT-13. Local U's: WLRN-17, despite a recently dedicated new broadcast center, seems the least pro of the lot, consistently running up to a minute late; degraded video and audio; only takes PBS leftovers not carried by WPBT-2, or delayed after WPBT broadcast. WFTV-23 I really enjoy, and hope the next place I move has an SIN outlet. It's nice to get Televisa. The WLTW s/on has an old film of Havana, including a quick glimpse of the CMQ building. There are also imports from various parts of Latin America, notably "Sexcitante" (showgirls exceeding Benny Hill in daringness), from "Para Gente Grande" and "Siempre en Domingo" are very good, on Sundays. WFLX-29 is (was?) to be commended for its 8:00 movies with only two commercial interruptions; they recently went 24 hrs with "Odessey" rock videos. Newest station in the market, WBSF-33, "Florida's Super Station" came on strong, and I understand has been quickly eclipsing the other indies in the ratings. Also has gone 24 hrs except Mon. & Tues. mornings. Fortunately, I can still get WTVX-34 when I need some CBS program WTVJ has bumped, but not free of WBFS qrm except when tropo is up. WDLZ-39 averages 30 minutes later signing off as their "Big Movie" with a live host (Big Willson) moved back to start at 12:30. WXEL-42 still doesn't sign on before noon; and has had audio hum problems. WHFT-45 and its preachers I avoid like the plague, but at least it's easy to spot its images with the almost constantly supered pair of phone numbers. WKID-51 went dark last fall and WSCV-51 started testing this spring. They would be on for days at a time with color bars, usually with I.D. in various styles; then off for days at a time. They're supposed to be giving WLTV-23 a real run for their money in the Spanish-only market, but by the end of April still hadn't begun any programming. Semi local U's: WBHH-20 when snow-free has crisper NBC video than W-TV and WSWN, and sometimes is satellite-delayed by comparison. WEVU-26 dropped "Eye on Hollywood" at midnight, which I enjoyed mainly for their travelogues away from Hollywood, CA, replacing it with a dull local talk show. WSFP-30 is a good back up/alternative for the other three PBS stations I get, but they have a real defeatist/think-small attitude, not listed in Miami Herald TV magazine which does carry other Fort Myers market stations, and they

don't care to be. Has a lot of telecourses out of WUSF-16 (which I've yet to see due to WLRN-17, local land mobile qrm, and relatively limited sked). I could use a WTOG-44 translator a bit closer than the two I get sometimes, W21 AB Ft. Pierce (seldom clear), and W27AE Sebring (110 mi.) often good, not to be confused with image of WTOG-44 itself. Some of the following somewhat more distant central Fla. U's I probably won't report as DX in the future. Although I have seen some Es c.c.i., nothing I.D. yet, and all logs here are tropo (including a couple of V's on rabbit ears). Mar. 11, 2300: WJKS-17 (local WLRN-17 usually off by 2300), WAWS-30, "Twilight Zone", c.c.i. to WSFP (which in April dropped "Late Night America" in favor of "Today in the Legislature", also carried on all Florida public TV stations through May at the expense of more entertaining but possibly less important fare) and WNFT-47, all Jacksonville (285 mi.). Also WOFL-35 Orlando (170 mi.)--I assume this is not suppose to signify "awful", and WMOD-43 Melbourne (130 mi.). April 23 after midnight with WNFT again, all night movies; WJKS-17, in solid. 0115, ch.69 rock videos w/20 c.c.i. to weak Hollywood xltr; I thought this must be IPTV W69AY Gainesville (260 mi.), which I had seen featured on a local program, but later there was an ad for fishing in Georgia, much more likely from Atlanta (590 mi.), corroborated by the following though no other Atlantans were seen. 0130 WMGT-41 Macon GA s/off (0510 mi.). 0148 WYF-55 Leesburg FL, preacher w/305 area code; 0208 "Family 55 Prayer Line" 200 mi.; seldom seen since; low powered? 0205 WJKS-17 s/off 285 mi.; 0212 WLTN-19 CBS Nightwatch (recently dropped by WTVJ); 0215 I.D. and "We've Got the Touch" jingle; 0229 W27AE Sebring w/WTOG I.D., reminding me that earlier there was c.c.i. on ch.44 itself--Valdosta? And that a quick check of VHF earlier showed WESH-2, c.c.i. on 5 & 6 & 12--no doubt WTLV-12; 0233 WJXT-4 285mi. "Nightwatch" after WTVJ s/off; 0234 WCSC-5 460mi., CBS "Nightwatch", lower mod than WJXT, audio only; 0239 WCSC-5 editorial, "Live 5" news promo. 0248 W21AB w/c.c.i. apparently relayed from 44; at first thought I had another 21; 0310 WJCL-22 415 mi., traces at first; 0329 Gene Autry movie 0332 I.D.; 0312 WCCB-18 630 mi., movie, ad mentioning "in the Carolinas"; 0315 record offer; WLTN-19 Afghan offer; 0340 WPCQ-36 630 mi., 3/4 c.b. w/I.D., music; stayed on until 0530 s/on, missed it; 0415 WCCB-18 I.D. super on "\$6 Million Dollar Man"; another I.D. at 0419; 0510 WXLN-40, only 155 mi. but usually blocked by WDLZ-39; c.b. w/I.D., 2 tone tone.; s/on 0528. 0500+ 18, 19, 22 weaker, but 19 holding up best. 0520 WESH-2 c.b./TT/I.D. 185 mi. 0535 WQTV-4 460 mi tentative, 3/4 c.b./TT, believe CHARLESTON across bottom, c.c.i. WJXT; 0536 local WBFS-33 on.; 0540 WQJB-20 260mi., c.b. w/triple city I.D.; Gainesville-Lake City-Ocala. 0544 WLTN-19 still in with CBS; 0545 WJKS-17 on with c.b., 0548 s/on; 0554 WOIO-25 545mi., c.b., I.D.; 0558 WTSG-31 450 mi., I.D. slide and open carrier; 0612 classical music; 0617 quick audio s/on caught me by surprise, into cartoon, 0629 I.D. slide has circled 31 in lower left, no call letters or other wording visible; farm program; indie? There might have been more than locals, but all the locals now on, and I had to get some sleep. 2300 more of the same; 2305 WESP-51 Ocala 230 mi. ending news capsule, "Solid Gold". Better get this one while I can! April 24, 0030 WTGL-52 Cocoa 145 mi. s/off. 0745 WNFT-47 still in; wx report says fog in Jacksonville; 0750 WOIO tent.. April 26 0630 WAWS-30, WNFT-47; 2345 WMAH-19 615 mi., "Great Performances" Bach, had 0 c.c.i. from further east, no doubt WLTN-19, both +; 2357 ending, 0001 Job Service announcements from Meridian; 27th 0010 WMAH-19 joint s/off; frantically looked for parallels. 0009 WPMI-15 560mi., St. Jude appeal, 0033 movie, 0052 Pensacola ad, 0054 I.D.; 0102 super I.D. 2 minutes late, 0140 I.D. 0232 s/off includes shot of xmttr bldg. 0019 WPAN-53 470 mi., wrestling; 0030 I.D., "24 hrs", into "Odyssey". 0100 super I.D. as Fort Walton Beach-Pensacola-Mobile, 0124 ad for "Wizard" FM station, 0128 99-FM ad 0130 s/off (despite earlier 24 hr announcement), giving Midway FL as xmttr site (but the only Midway on my map is just NW of Tallahassee), USAF SSB; 0025 WOIO-25 tent.; 0031 WLTN-19 ad for WOIC-1320; 0108 WPCQ-36; 0112 WJTC-44 tent.; 0117 WOVL-15 tent.; 0136 & earlier, c.c.i. on WEVU-26, which s/off at 0147, leaving weak stn apx same direction w/movie, likely New Orleans 670 mi., but never could I.D.; was same offset as WATU; 0151 WATU-26 520 mi., 0200 s/off; 0230 WLTN-19 and WOIO-25 snow free; 0241 unid-42, N.; 0245 WOIO-25 after Joker's Wild into USAF "Aim High" with hymn, jet fighter, no formal s/off announcement, into brief c.b./w/call before signing off. 0250 WJCL-22, PSA's separable from St.-Pete, same offset; 0300 WCCB-18 I.D. in "Moonlight Theatre"; 0302 unid-26 N., starting "All Night Movie", no I.D.; thought WATU s/off an hour ago. 0330 WPCQ-36 "Let's all be there" jingle; opening continues but I sleep. April 28: 0710 WTSG-31 tent.; Herbert W. Armstrong, north; 0800 I.D. 0710 WAWS-14 PBS // to WACS-25; 0729 I.D. on 14 amid land mobile qrm. 0715 W27AE heavy c.c.i. to WTOG xltr; 43 & 51 also in. Distances are rough, measured on maps without researching transmitter sites; revisions welcomed. Thanks to John Combs, the only person responding so far to my TV Guide exchange request. Everything

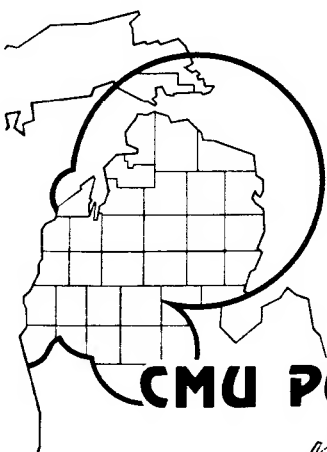
Eastern TV-DX

Hauser; continued--- June 1985
possible has been taped (VHS), but the VCR tuner is a lot more subject to local mixing product blockage; also color slides "live" or off the tape (like when WLTX had a split-second I.D.). Tuning the VCR keeps my thumb busy, and tuning the Zenith TV keeps my screwdriver busy--as well as my notepad r.e. what I have on each of the 6 UHF tuners. My other Zenith TV, which has a turret UHF tuner and is unfortunately less sensitive, but has its own pattern of image problems.

Thomas J. Yingling Jr.; 221 Pinewood Rd., Baltimore MD 21222-2345 EST?

Oct. 1984	Oct. 1984	Nov. 1984
5 Tr 2100 WOR-9 NY 190 over WDM 8 Tr 2100 WCVW-57 VA 190 over WWSG 2200 WITF-33 PA 150 WTIC-61 CT 250 Halloween special 9 Tr 2230 WEDW-49 CT 240 over WGC 0015 WTAF-29 PA 90 10 Tr 0100 WITN-7 NC 210 s/off & color bars 0114 WCTI-12 NC 275 s/off 0130 WSET-13 VA 190 on W6AL 0500 WGH-8 NC 300 c.b. 0505 WVR-29 VA 150 c.b. 2100 WSKG-46 NY 210 I.D. 13 Tr 2100 WDC-19 MA 300 2130 WNEP-16 PA 165 newsbreak seen	15 Tr 0200 WVIA-44 PA 170 Star Trek 20 Es 2000 WEAR-3 FL 860 2030 KFDM-6 TX 1150 2130 KATC-3 LA 1050 wrestling 2145 KTBS-3 LA 1000 sports special 2200 WREG-3 TN 900 wx warning Tr 2300 WTX-20 CT 225 over WDC 28 Tr 0100 WTIC-61 CT 0104 WBY-54 NY 0108 W59AT NY 195 Music Videos 0110 W3AS NY 200 Music Videos 0120 WNBC-4 NY 190 1800 WPCB-40 PA 190 religious prog. Nov. 1984 9 Tr 1730 WFAT-19 PA 175 Star Trek	10 Tr 2030 WNYC-31 NY 190 talk program 2100 WAAT-40 NJ 90 NBC Movies 2145 WJUL-47 NY 180 over WMDT 2200 WXTV-41 NJ 180 SIN program 11 Tr 0200 WTIC-61 CT 0230 WSEK-38 MA 360 Dec. 1984 9 Tr 2015 WTL-63 VA 175 April 1985 20 Tr 2100 WRBV-65 NJ 90 0715 WRAL-5 NC 250 2129 WCVW-57 VA 190 2030 WUNK-25 NC 200 27 Tr 0530 WYAH-27 VA 190 all night movies 0500 WKFT-40 NC 290 color bars

Here's my belated report from my last in 9/84. I got surprised to see Es on 10/20. I got some good I.D.'s for my video I.D. tape. After the skip died down I saw the same weather map on CNN cable as I saw on Es from WREG-3! I've been busy with computer to do any DX, & since conditions weren't good anyway I wasn't missing much. Besides, that the computer bothers the TV set. 73's.



WCML WCMU WCMW WCMV W46AD W69AV

6 14 21 27 46 69

ALPENA MT. PLEASANT MANISTEE CADILLAC TRAVERSE CITY LELAND

CMU PUBLIC TELEVISION PBS

SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

DEADLINE: 10th

For FM DX reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, KS, KY, LA, MD, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV. Happy DXing!

MORE GOOD TROP FROM THE SOUTHWEST

Jim Pizzi, P. O. Box 1778, Lovington, NM 88260 (505)396-3251 from 2-11 to 4-22			
2/11 Es	3/7 tr		
1625 XHBIO 92.3 JAL Guadalajara, L	840	2358 KXXK 106.5 TX Galveston, SS	580
1625 XHJL 91.5 "	"tent r,\$	2359 KXXK 106.5 TX Galveston, SS	569
1626 XHLC 98.7	, r, \$	0100 KEZA 107.9 AR Fayetteville, nx, wx, EZ-108	
"Estereo Novientanuevay" (99)		0130 KSMG 105.3 TX Seguin, r, \$, calls	410
1629 XHOY 90.7	, r,	0132 KEYN 103.7 KS Wichita, calls	461
"Estereo Novienta" (90)		0232 KICT 95.1 KS Wichita, r, "T-95"	"
1637 XHRA 89.9	, r, \$	0232 KMUV 89.1 KS Wichita, weird r mx	
"Estereo Soul"		0237 KJOJ 106.9 TX Conroe, g	490
1647 XHME 89.5 JAL Puerto Vallarta, tent,		0239 KKRD 107.3 KS Wichita	461
L, r, \$		0304 KFDI 101.3 KS Wichita, loc. nx, ads, k	
2/14 tr		0304 KNCN 101.3 TX Sinton, AP nx, r,	485
1709 KPCE 100.9 NM Eunice, tent., blank car.		o/under KFDI, C-101	
EW		0318 KBUZ 106.5 KS Arkansas City, r	441
1712 KMTH 98.7 NM Maljamar, \$, s/on @1415,	29	0329 KOUL 103.7 TX Sinton, calls 0335	485
new on air		0332 KESI 106.3 TX Terrel Hills, "Star	380
		106 FM" promo	
3/2 tr		0520 KVIC 95.1 TX Victoria, calls	468
1029 KXXK 106.5 TX Galveston, SS	580	1900 KKED 90.3 TX Sinton	485
1030 KNCI 91.3 Killeen, ID	360	1900 KOUL 103.7 TX Corpus Christi	520
1031 KBUC 107.5 TX San Antonio, nx	380	3/9 tr	
2214 KJOJ 106.9 TX Conroe, g	490	1024 KCOL 107.5 TX Lake Jackson, ID	539
2216 KYKK 105.7 TX Longview, "Kicks 105"	510	1030 KFLZ 107.1 TX Bishop	510
2229 KEYI 103.5 TX San Marcos, ID as	390	1033 KBFM 104.1 TX Edinburg, calls	564
Key-103 Austin		1034 KRBE 104.1 TX Houston, calls	530
2256 KRBE 104.1 TX Houston, ads, calls	530	1401 KKED 90.3 TX Corpus Christi, ID	520
2322 KZEA 105.5 OK Healdton, r,	350	1406 KQUE 102.9 TX Houston, calls	530
"The new KZ-105-FM"		3/10 tr	
2336 KTFM 102.7 TX San Antonio, ID	380	2149 KOOI 106.5 TX Jacksonville	486
2338 KUHF 88.6 TX Houston, j	515	2150 KYKK 105.7 TX Longview	510
3/3 tr		3/23 MS	
0002 KAMU 90.9 TX College Station, ID	458	1218 unID 98.1 E.N.E. "Y-98 FM.."	
0005 KTBC 92.1 TX Nacogdoches, 92-K	530	3/25 gw	
0017 KHFI 98.3 TX Austin, K-98	386	1723 KSEM 106.3 TX Seminole, \$, k, calls +	
0038 KTON 106.3 TX Belton, r, Q-106	368	KIKZ (some rock at night)	
0043 KILT 106.3 TX Wichita Falls, ID,	282	tr	
"New Lite 106"		2301 KXXK 106.5 TX Galveston, SS	580
0203 KOYE 94.9 TX Laredo, ID	460	2303 KRBE 104.1 TX Houston, ID	530
0205 KTAL 98.1 TX Texarkana, ID, on	540	2309 KILT 100.3 "	"calls
vert. antenna only		2313 KLTR 93.7	, r, on vert. ant.
0248 KILT 100.3 TX Houston, calls, k	530	2323 KUHF 88.7	, calls
0253 KVIC 95.1 TX Victoria, calls	468	2327 KKBQ 92.9	, "93-Q"
0300 Most OK FMs in strong.	380	2339 KTNQ 106.3 TX Belton, "Q-106"	368
0301 KCFO 98.5 OK Tulsa, g	473	2349 KQUE 102.9 TX Houston	530
0316 KWTX 97.5 TX Waco, r	368	4/1 tr	
0323 KIOC 106.1 TX Orange, promo, K-106	595	2149 KLSF 96.9 TX Amarillo, \$, r	
3/6 MS		new on air	
1056 WRAY 98.1 IN Princeton, "...The		(Nothing much in April so far, hope May	
overnight low was 23 here in Princeton.."		picks up the pace.)	
Not much Es this time around; a minor opening to old Mexico on 2/11. Some very good			
trops on 3-2 and 3 to east Texas. 3-8 also good, with KELA the highlight. KSEM another			
semi-local with an excellent signal here. KLSF not as strong as KGNC 97.9. 73's			
Fat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228 CST 4/1 to 5/5			
Eqipt.: Realistic TM-1001 tuner into Allied 426, Archer 6-e. beam at 20' with rotor			
4/3 tr		4/3 tr	
0200 KQXY 94.1 TX Beaumont, m, ID	275	0252 KTIK 96.9 LA Alexandria, r, wx	385
0228 KTRU 91.7 TX Houston, j, ID	195	2236 WCKW 92.3 LA Laplace, wx	495
0243 KYKR 93.3 TX Port Arthur, k, ID	280	2257 WMAU 88.9 MS Bude, net ID, cont.	470

4/3 tr			4/17 tr		
2322 WPAF	92.5 FL Panama City, ID	783	0229 KQXY	94.1 TX Beaumont, ID, n	275
4/4 tr			0254 KYKR	93.3 TX Port Arthur, ID, k	280
0002 WTX	94.7 MS Jackson, "94-TIX"	525	0927 KLUX	89.5 TX Robstown, r, ID	125
0019 WTX	101.5 FL Pensacola, ads, TK-101	685	0933 XHSRO	92.5 NL Monterrey, slogan ID	275
0031 WQW	107.3 FL Pensacola, ads, WQW-107		1002 KDCY	97.7 TX Cotulla, area ads, ID	80
0037 WPCST	89.3 FL Pensacola, g		2205 WCKW	92.3 LA Laplace, "River Parish Radio" slogan ID	495
0047 WKJN	103.3 LA Hammond, ads, ID	490	2230 WRKF	89.3 LA Baton Rouge, ID	450
"Cajun-103"			4/18 tr		
0100 WRKF	89.3 LA Baton Rouge, wx	450	0021 KJEP	92.7 LA Jennings, ID	360
0150 WYMK	101.5 LA Baton Rouge, k, ID	450	0028 KSMB	94.5 LA Lafayette, ID	395
0202 KQXY	94.1 TX Beaumont, ID, n	275	0036 KYKR	93.3 TX Port Arthur, ID	280
0215 WGGZ	98.1 LA Baton Rouge, ID, 2-98		0192 WNO	89.9 LA New Orleans, s/off	510
0251 KTDY	99.9 LA Lafayette, ID	385	0107 KTI2	96.9 LA Alexandria, wx	385
0252 KTI2	96.9 LA Alexandria, ID	395	0116 KTDY	99.9 LA Lafayette, ID	395
0257 WUSF	89.7 FL Tampa, ID	985	0130 KLEY	89.1 LA Ruston, r, ID	410
0405 WNF	88.5 FL Tampa, r, ID	985	0132 KYNE	89.5 TX Tyler, wx, ID, g	280
4/5 tr			0143 WYMK	101.5 LA Baton Rouge, ID	450
0623 KYKR	93.3 TX Port Arthur, ID, k	280	0149 KMDL	97.7 LA Kaplan, ID	380
0624 WCKW	92.3 LA Laplace, wx	495	0156 KQXY	94.1 TX Beaumont, n, ID	275
0630 KQXY	94.1 TX Beaumont, ID, n	275	0213 KYKS	105.1 TX Lufkin, "Kicks 105"	265
4/16 tr			1818 KUFO	97.9 TX Odessa, ID	275
2239 KTRR	92.1 TX Kenedy, ID	65	1825 KNFM	92.3 TX Midland, ads, ID	280
4/17 tr			1827 KWES	102.1 TX Monahans, area ad	295
0040 XET	94.1 NL Monterrey, town ID	275	1831 KBAT	93.3 TX Midland, k, ID	280
0111 WFYN	92.5 FL Key West, ID	1090	4/22 tr		
0214 KJIC	89.3 TX Pasadena, SS, g, ID	205			

Very good trop Apr 3-4. Concentrated on the UHF TV in early a.m. so likely missed a few s/on class A's. Local 106.3 made its move to 106.7. Found out its old class A mtr located about 4.5 mi. nw of me. Luckily the new 100-kw is about 12.5 mi. sse of here. 106.3 previously vacant Aug 72-Aug 79. No sign of the dreaded 89.1 100-kw NFR outlet yet. A rather cautious lack of ES (even TV) so far this season. 73.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075

DXING IN THE OKLA. WICHITAS

After doing without FM DX for so long due to poor to non-existent conditions, I decided it was high time to do something about it by departing 5/9 for a DXPedition to parts never visited before the Wichitas, the 2nd highest mountain range in Oklahoma, located in the southwest part of the state. Near the end of the long drive I came to the town of Apache where the Wichitas first start springing up on the distant horizon with 2465' (or about 1200' above valley) Mt. Scott being quite prominent, whose summit was my destination. Also in Apache for the first time during the trip I admired some mighty impressive deep fringe TV antenna systems. Upon arrival to the top of Mt. Scott shortly before dusk, I found the view remarkable, somewhat comparable to that available from Pikes Peak, nothing but plains stretching out in one direction, all mountains in the opposite direction. Enough of the pretty view, what is reception on FM like up there? The best loggings as noted between 7:50 and 9:10 pm were: KEZA 107.9 Fayetteville, AR 220 mi., KISR 93.7 Ft. Smith, AR 240; KSMH 92.1 Commerce, TX (also KETR 88.9 in Commerce) 185; KEAN Abilene, TX on 105.1 185; KYNE 89.5 Tyler, TX 255; KNCT 91.3 Killeen, TX 260; KNDQ 93.7 location unknown, perhaps Lubbock, TX; and best and most surprising of all KLRE 90.5 Little Rock, AR 350. I suspected I had KUT of Austin in (it's closer) until KLRE IDed. As dusk tuned to darkness I noted that I had parked in such a way as to get an impressive view of the city lights of Lawton, Oklahoma's 3rd largest metro city. In driving through that city I noticed with surprise how little or no overloading there was from the 3 local FMs. I guess the mixers and/or frequencies are positioned in such a way that prevents overloading. There was no overloading at all at the top of Mt. Scott. I probably could have logged more had my car FM had better selectivity. I hope someday to return to Mt. Scott much better equipped.

On the trip back home while going through Oklahoma City noted with interest was the quality of KKLR's (Edmond) translator serving the south metro area as advertised on TV. The translator seems to have excellent outreach with the first faint signs of the signal coming in while about 18 mi. from the southwest edge of OKC. Oklahoma City means overload city to my car FM and during the drive through south OKC it became easy to understand why KKLR would want to locate a xlator in south OKC, so close to the main station's primary circle. Because in south OKC main KKLR is rather frequently disturbed by a strong spur on an adjacent channel while the 107.1 xlator remains untouched by interference. Reception like this keeps up until in central OKC where I-35 meets I-40, then overloading renders both channels unfit for listening. Here KKLR's slogan "Clear Stereo" means only a sarcastic joke. More on KKLR's xlator next month and a look back to 1980 that monumental DX year.

XXXXXX

We continue from last month's photos sent in by Jeff Kadet-Macomb, IL

BETTER TV

27
WKBN-TV
YOUNGSTOWN, OH 44501

WKBN-27 Youngstown, OH
510 mile tropo from
June 15, 1984

2 KUSD-TV VERMILION
8 KESD-TV BROOKINGS
5 KZSD-TV MARTIN
9 KBBE-TV RAPID CITY
10 KTSO-TV Pierre
11 KUSD-TV LOWRY
13 KPSD-TV FAIR/EAGLE BUTTE
15 KOSD-TV ABERDEEN

SOUTH DAKOTA PUBLIC TELEVISION

KDSD-16 Aberdeen, SD
525 mile tropo from
August 24, 1984

KGMC-34 Oklahoma City,
OK 510 mile tropo from
August 24, 1984

WVEU-69 Atlanta, GA
575 mile tropo from
September 19, 1984

34

WVEU
CHANNEL 69
Atlanta, Georgia



WJHL-11 Johnson City,
TN 530 mile tropo
from September 8, 1984

Worldwide TV-FM DX Association



Next, we have photos that Roy Barstow of Teaticket, MA sent in.

WTIC-61 Hartford, CT new
to the air as of Sept. 23,
1984. Received via ground
wave.



WPDE-15 Florence, SC
710 mile tropo from
September 23, 1984

WTFDA CLUB SUPPLIES



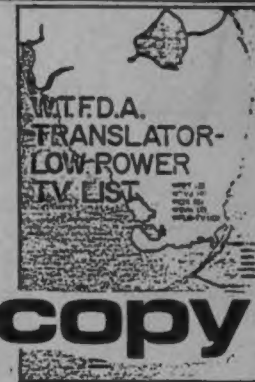
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